

# Ein Programm mit fork

Emilio Pielsticker

# Programm mit fork

```
void hit() { printf("%d,\u0008", x++); x += 3; }

int x = 1;
int main() {
    hit();
    fflush(NULL);
    pid_t pid = fork();
    if (pid > 0) {
        wait(NULL);
        hit();
        int x = 0;
        hit();
        printf("\b\b\r\n");
    } else if (pid == 0) {
        hit();
    } else {
        hit();
        perror("Fehler!\n");
        exit(-1);
    }
    return 0;
}
```

# Programm mit fork

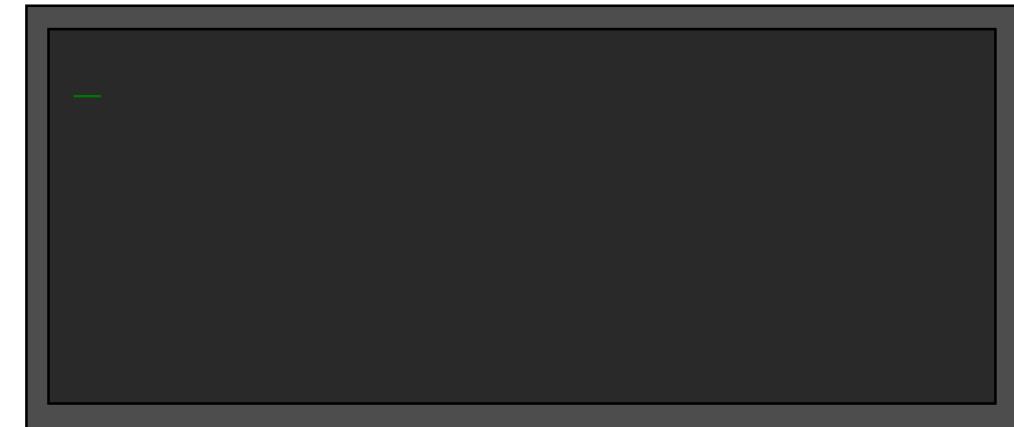
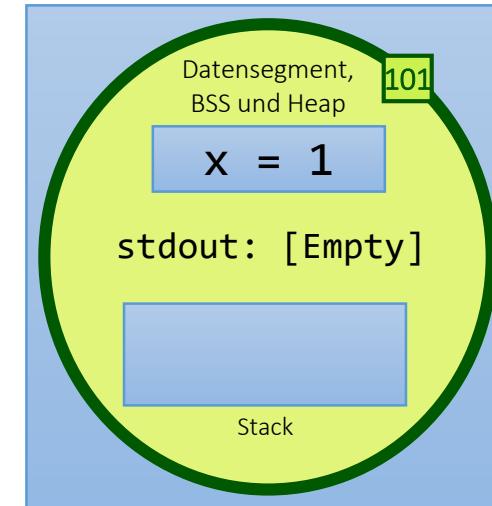
```

PC void hit() { printf("%d,\u000b", x++); x += 3; }

int x = 1;
→ Im nächsten Schritt:
int main() {
    hit();
    fflush(NULL);
    pid_t pid = fork();
    if (pid > 0) {
        wait(NULL);
        hit();
        int x = 0;
        hit();
        printf("\b\b\r\n");
    } else if (pid == 0) {
        hit();
    } else {
        hit();
        perror("Fehler!\n");
        exit(-1);
    }
    return 0;
}

```

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Terminalkonsole

# Programm mit fork

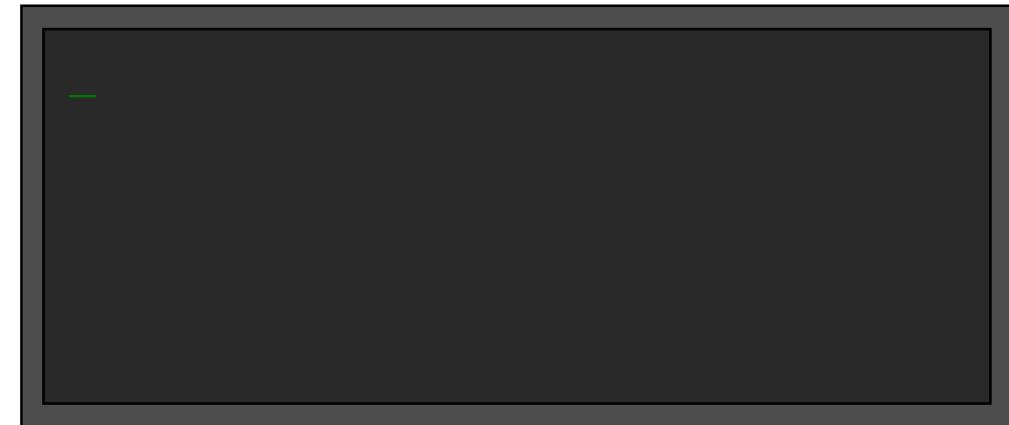
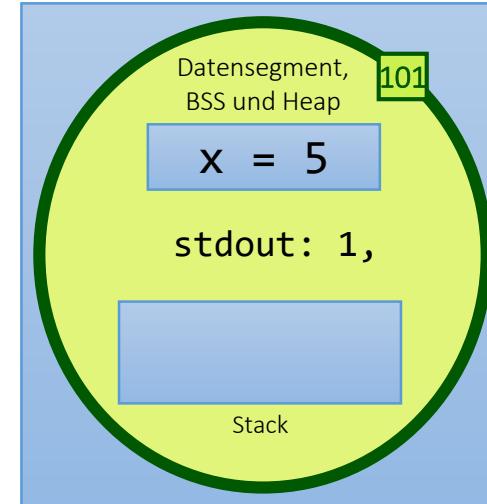
```

void hit() { printf("%d, _", x++); x += 3; }

int x = 1;
int main() {
    PC (101) hit();
    → Im nächsten Schritt: fflush(NULL);
    pid_t pid = fork();
    if (pid > 0) {
        wait(NULL);
        hit();
        int x = 0;
        hit();
        printf("\b\b\r\n");
    } else if (pid == 0) {
        hit();
    } else {
        hit();
        perror("Fehler!\n");
        exit(-1);
    }
    return 0;
}

```

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Terminalkonsole

# Programm mit fork

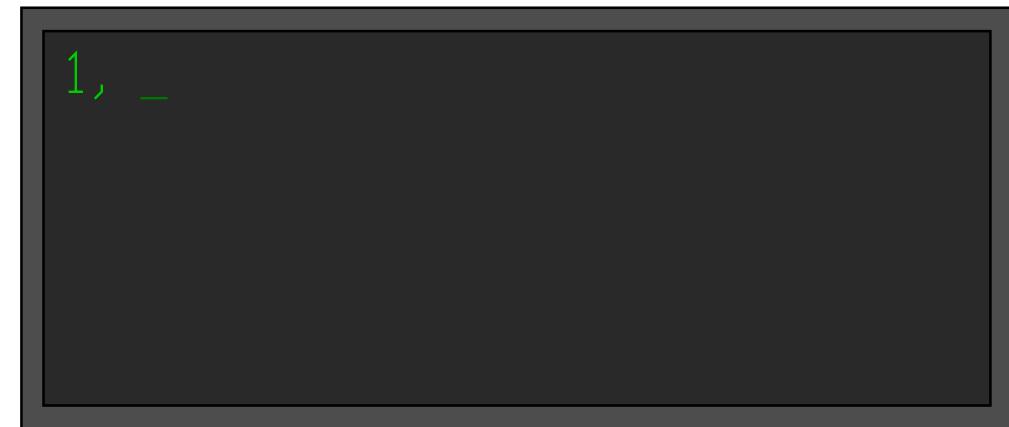
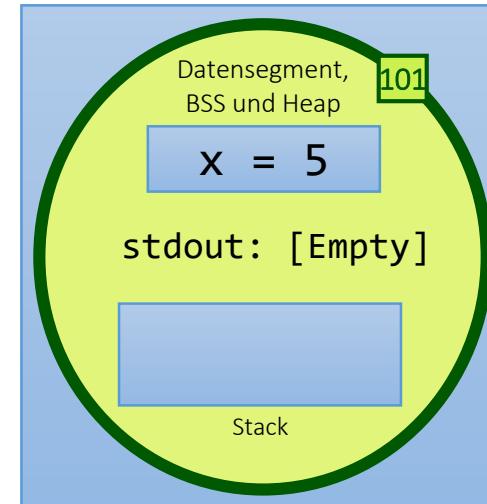
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PC (101) → Im nächsten Schritt:
void hit() { printf("%d, _", x++); x += 3; }

int x = 1;
int main() {
    hit();
    fflush(NULL);
    pid_t pid = fork();
    if (pid > 0) {
        wait(NULL);
        hit();
        int x = 0;
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        printf("\b\b\r\n");
    } else if (pid == 0) {
        hit();
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        exit(-1);
    }
    return 0;
}

```

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Terminalkonsole

# Programm mit fork

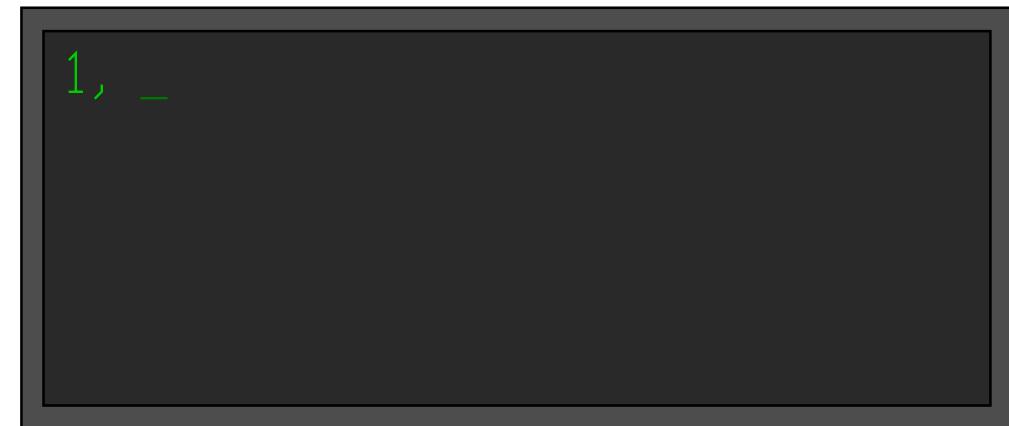
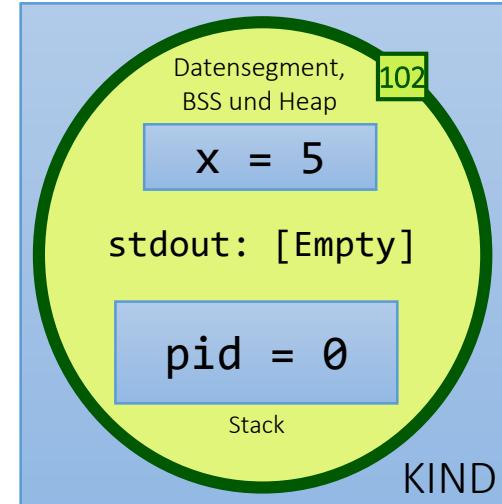
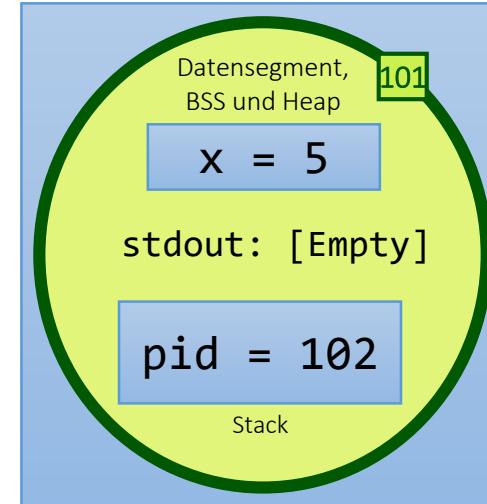
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void hit() { printf("%d, _", x++); x += 3; }

int x = 1;
int main() {
    hit();
    fflush(NULL);
    PC (101) pid_t pid = fork();
    if (pid > 0) {
        PC (101) wait(NULL);
        hit();
        int x = 0;
        hit();
        printf("\b\b\r\n");
    } else if (pid == 0) {
        PC (102) hit();
    } else {
        hit();
        perror("Fehler!\n");
        exit(-1);
    }
    return 0;
}

```

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Terminalkonsole

# Programm mit fork

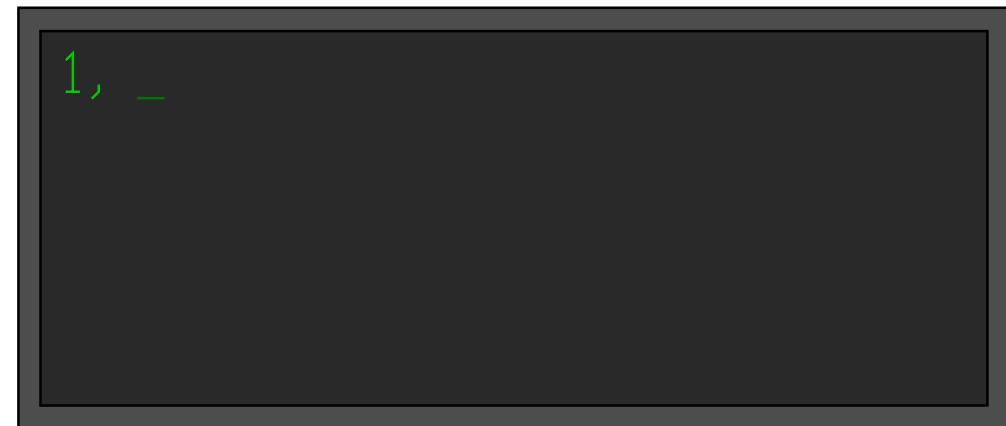
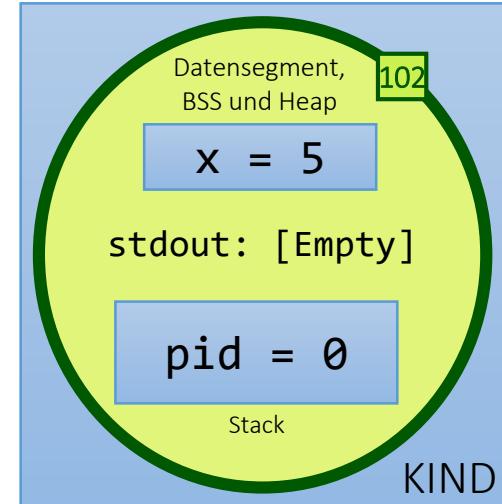
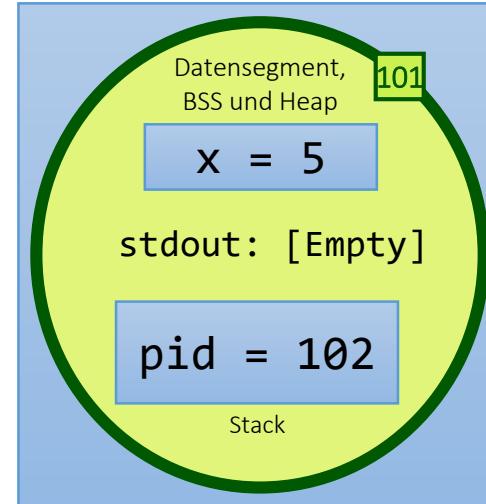
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void hit() { printf("%d, _", x++); x += 3; }

int x = 1;
int main() {
    hit();
    fflush(NULL);
    pid_t pid = fork();
    if (pid > 0) {
        PC (101) > wait(NULL);  Hier warten!
        hit();
        int x = 0;
        hit();
        printf("\b\b\r\n");
    } else if (pid == 0) {
        PC (102) > hit();
    } else {
        hit();
        perror("Fehler!\n");
        exit(-1);
    }
    return 0;
}

```

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Terminalkonsole

# Programm mit fork

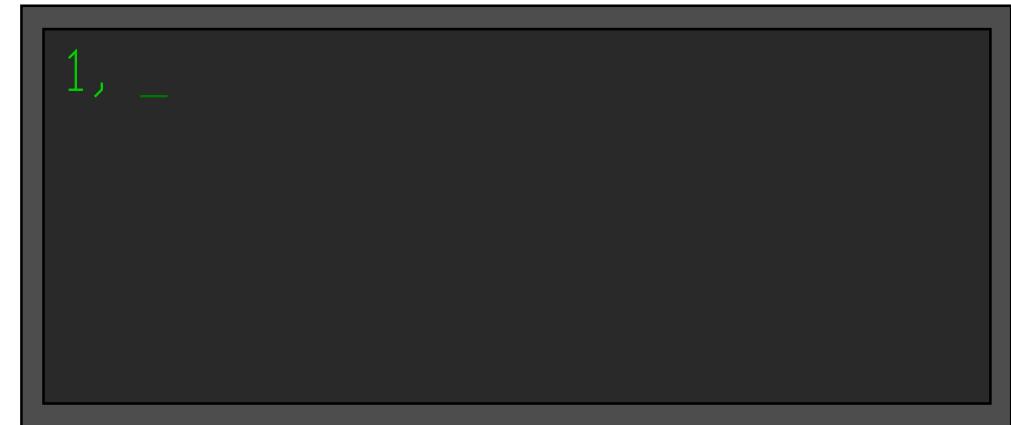
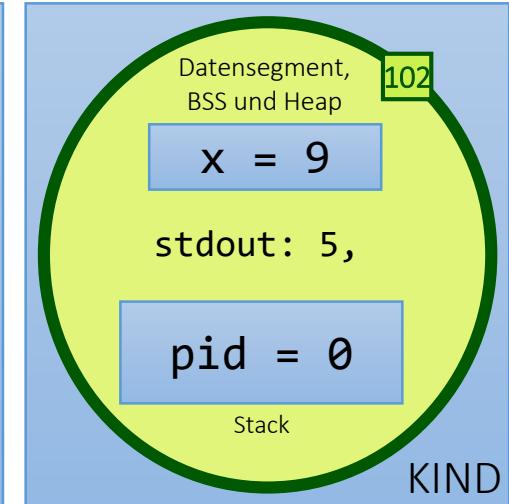
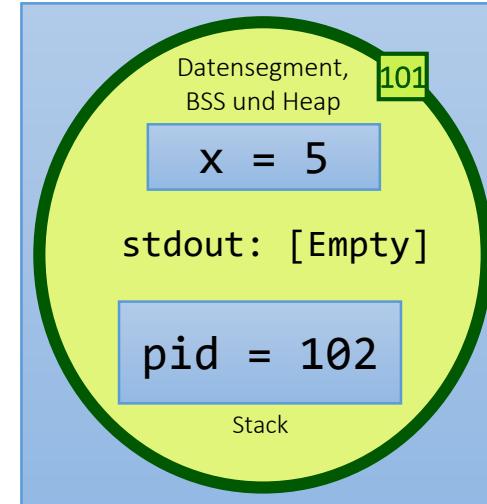
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void hit() { printf("%d, _", x++); x += 3; }

int x = 1;
int main() {
    hit();
    fflush(NULL);
    pid_t pid = fork();
    if (pid > 0) {
        PC (101) wait(NULL);
        hit();
        int x = 0;
        hit();
        printf("\b\b\r\n");
    } else if (pid == 0) {
        PC (102) hit();
    } else {
        hit();
        perror("Fehler!\n");
        exit(-1);
    }
    return 0;
}

```

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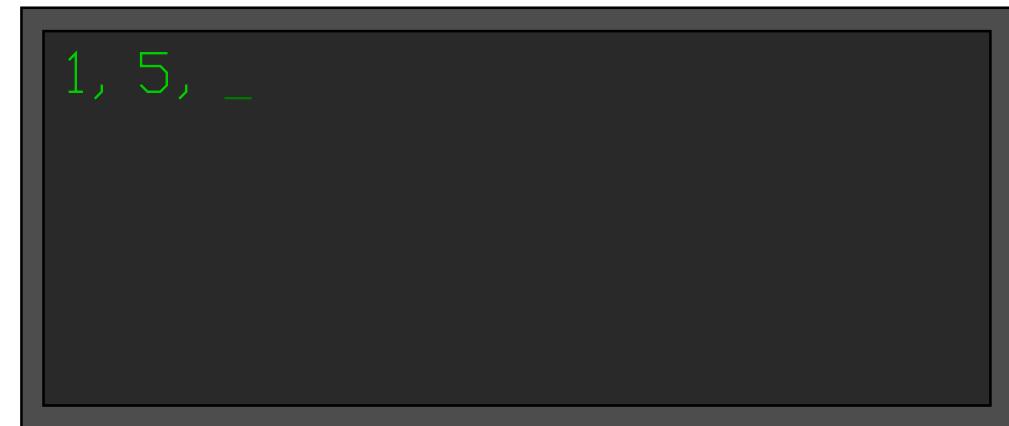
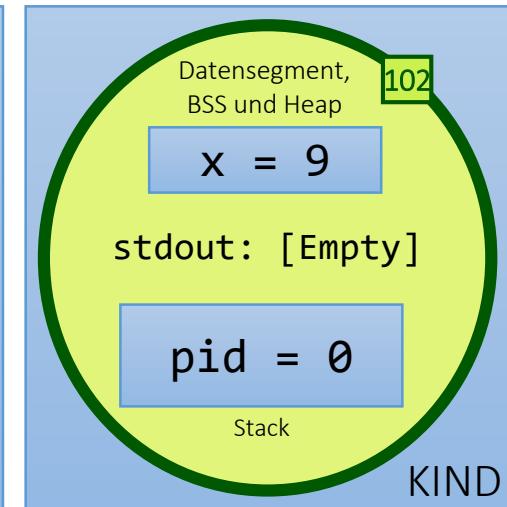
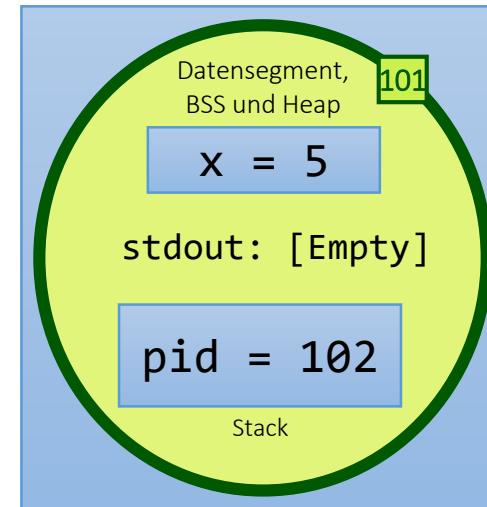
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    } else if (pid == 0) {
        hit();
    } else {
        hit();
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    return 0;
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```

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# Programm mit fork

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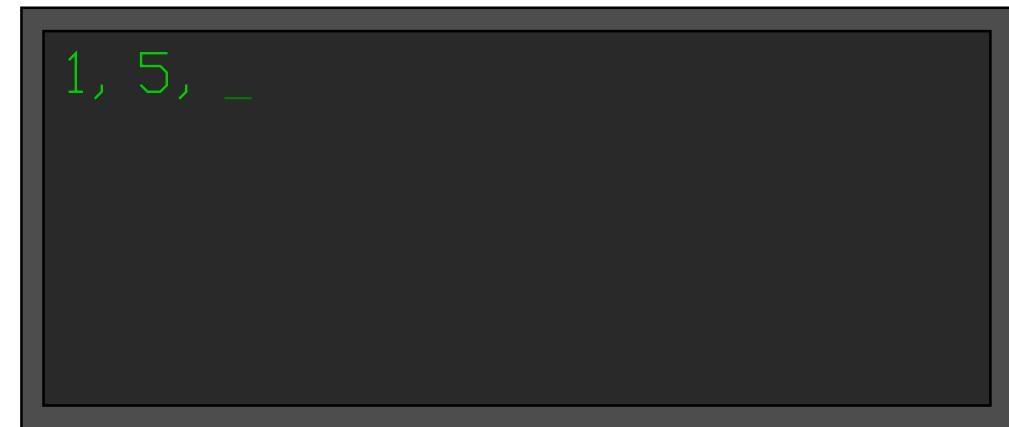
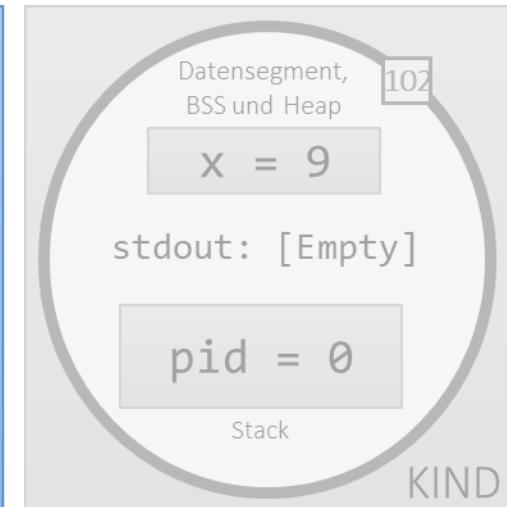
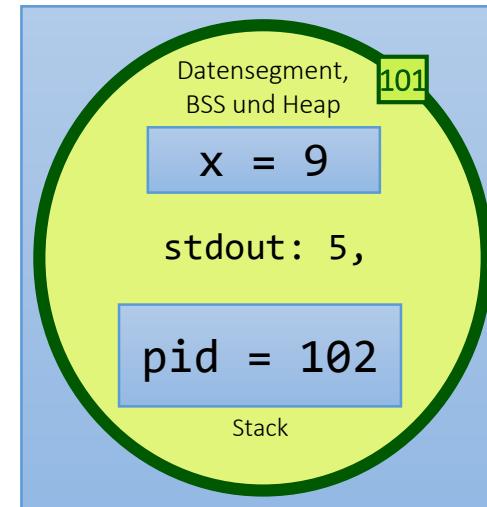
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Terminalkonsole

# Programm mit fork

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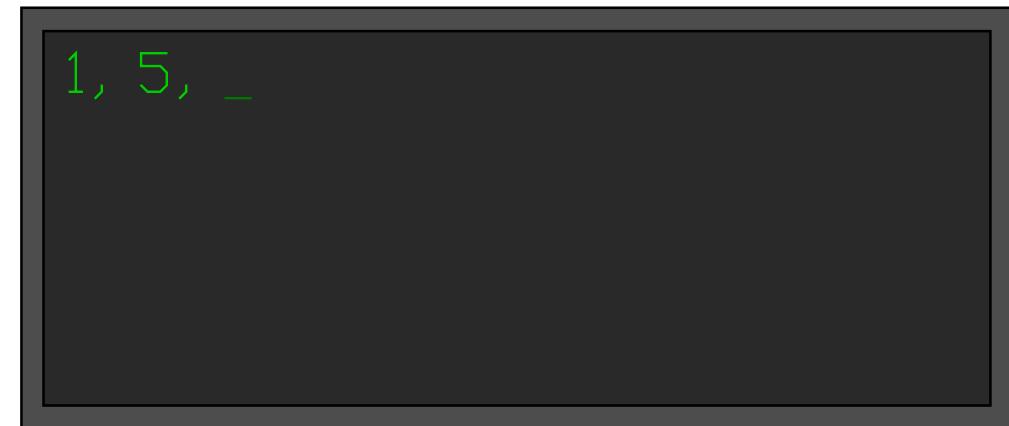
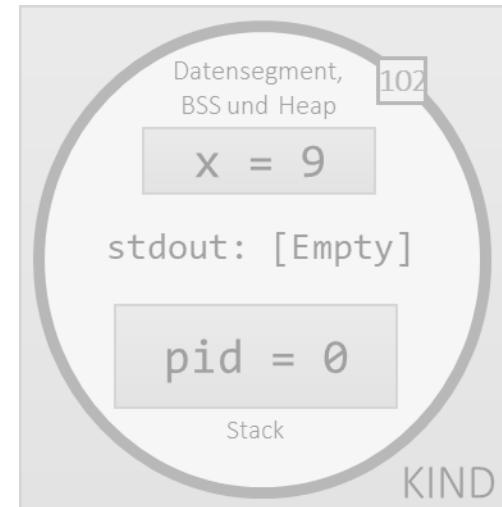
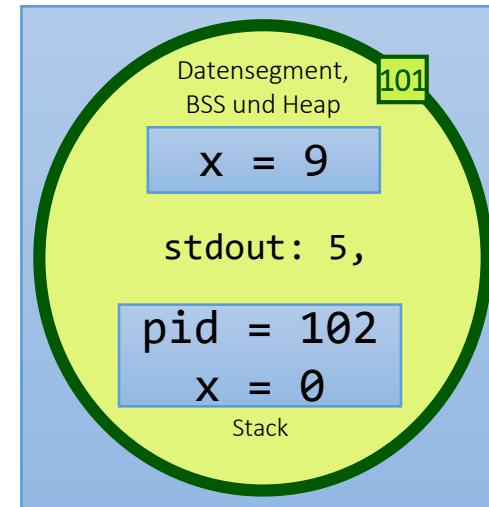
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Terminalkonsole

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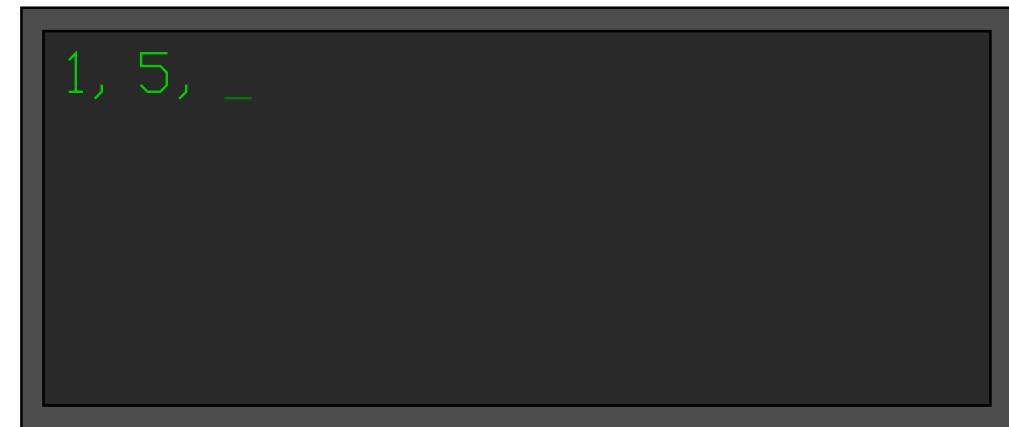
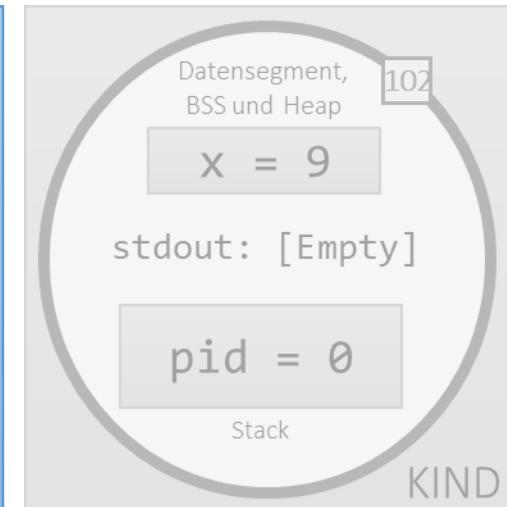
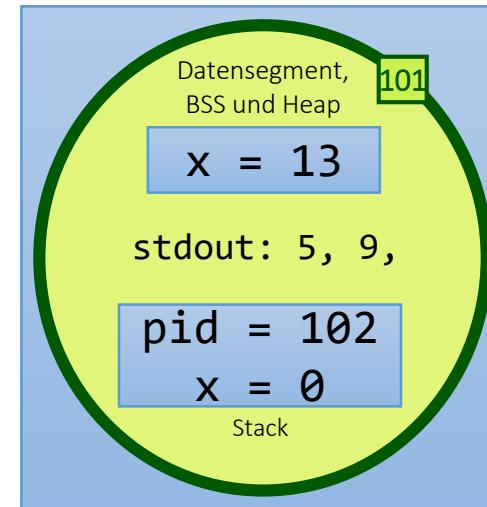
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Terminalkonsole

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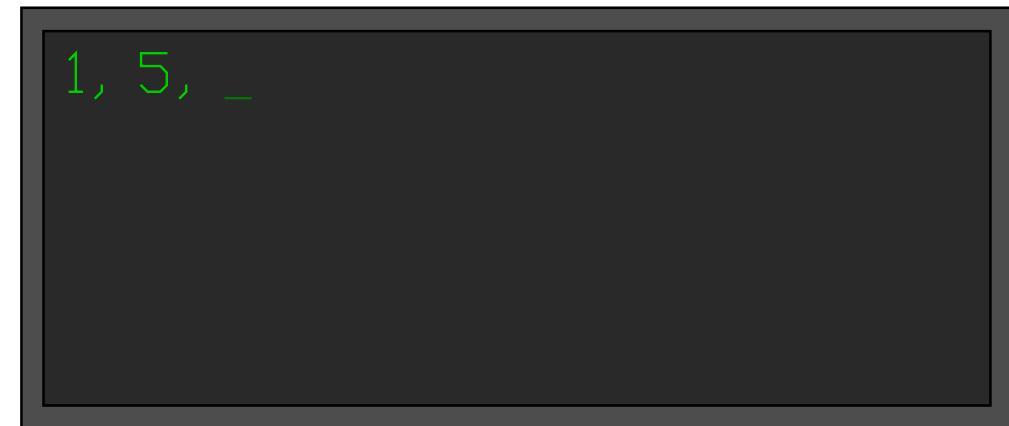
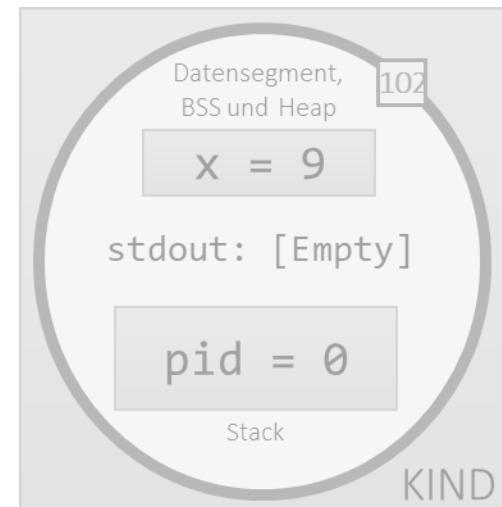
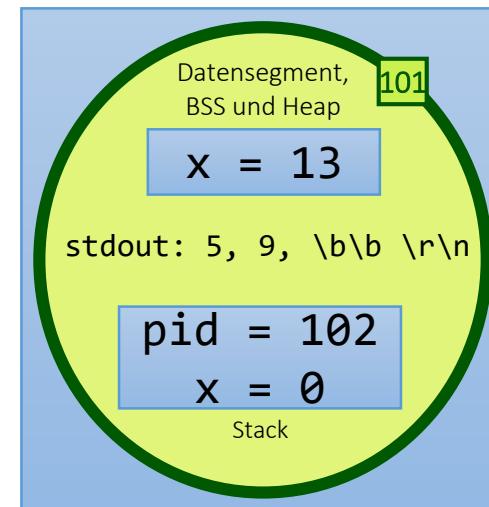
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Terminalkonsole

# Programm mit fork

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void hit() { printf("%d, ", x++); x += 3; }

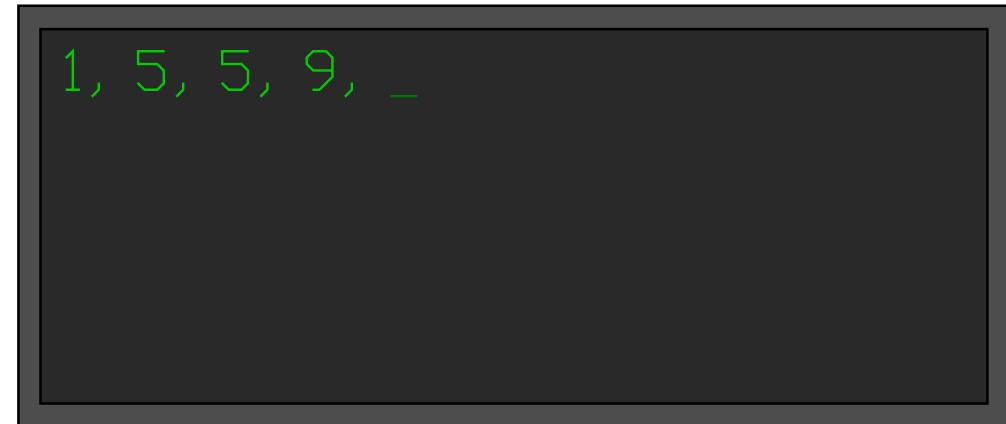
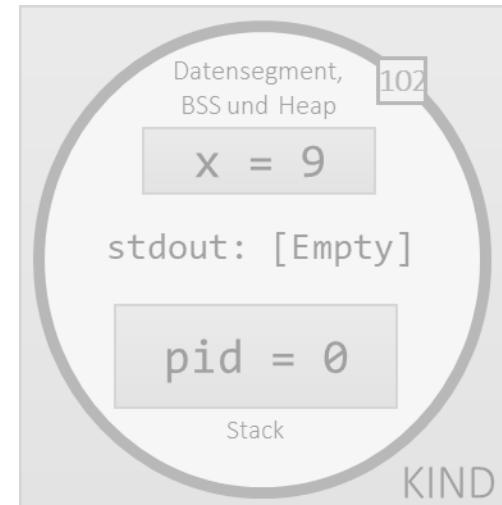
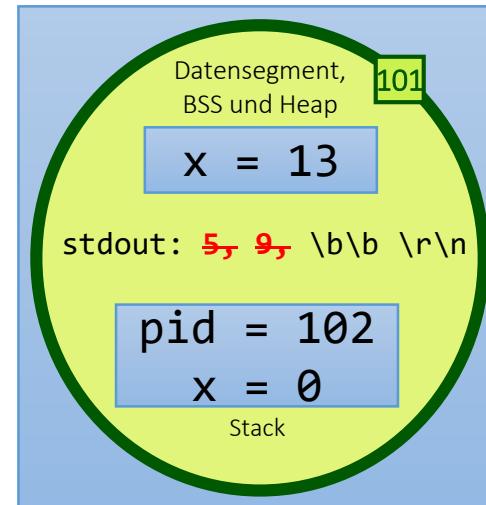
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Terminalkonsole

# Programm mit fork

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void hit() { printf("%d, _", x++); x += 3; }

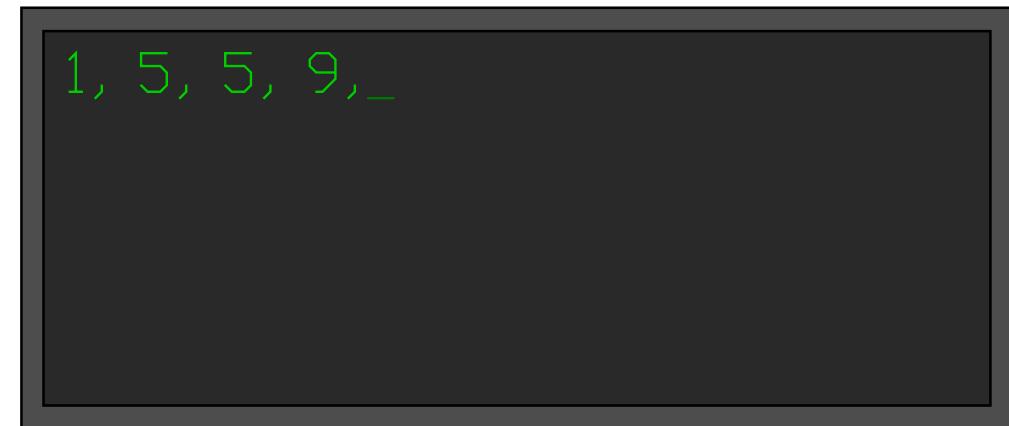
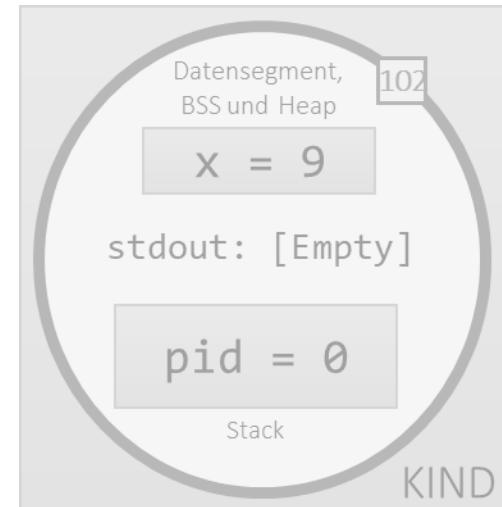
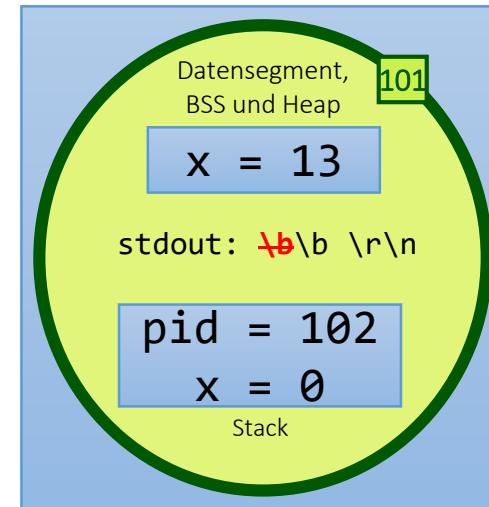
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Terminalkonsole

# Programm mit fork

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void hit() { printf("%d, _", x++); x += 3; }

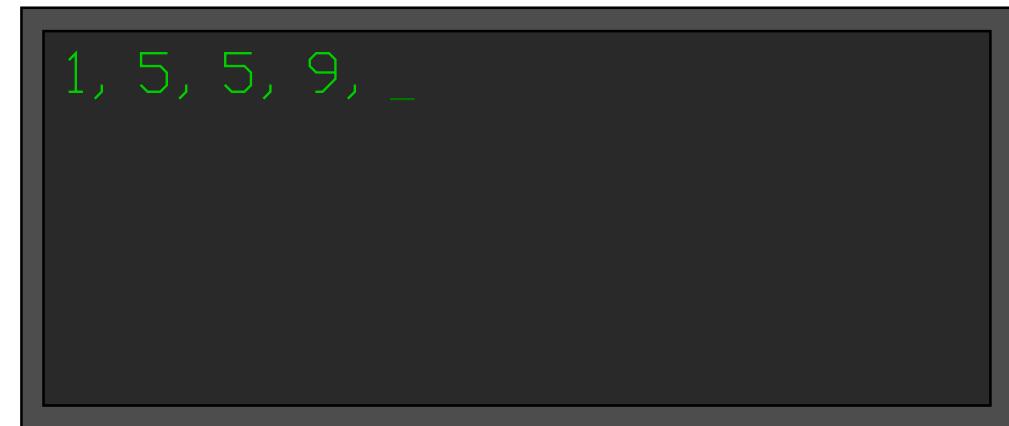
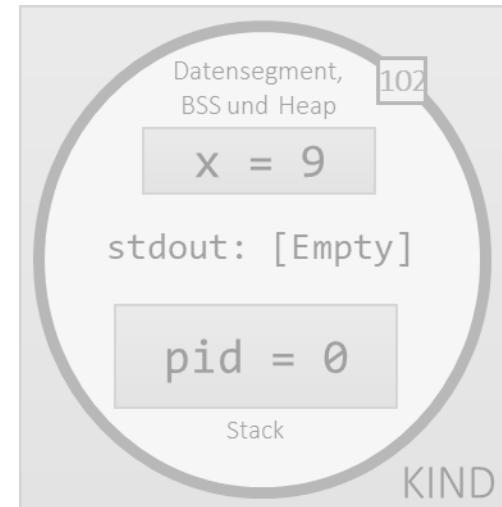
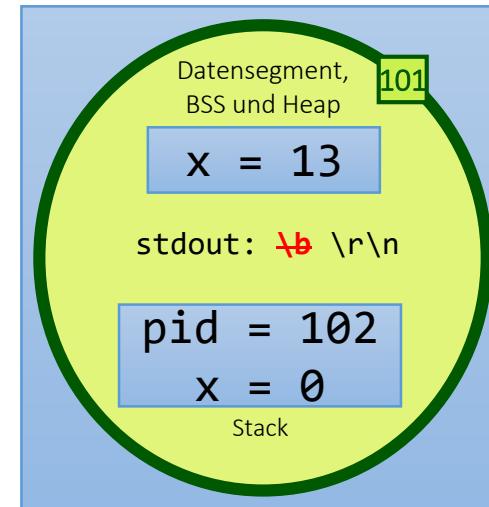
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Terminalkonsole

# Programm mit fork

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void hit() { printf("%d, _", x++); x += 3; }

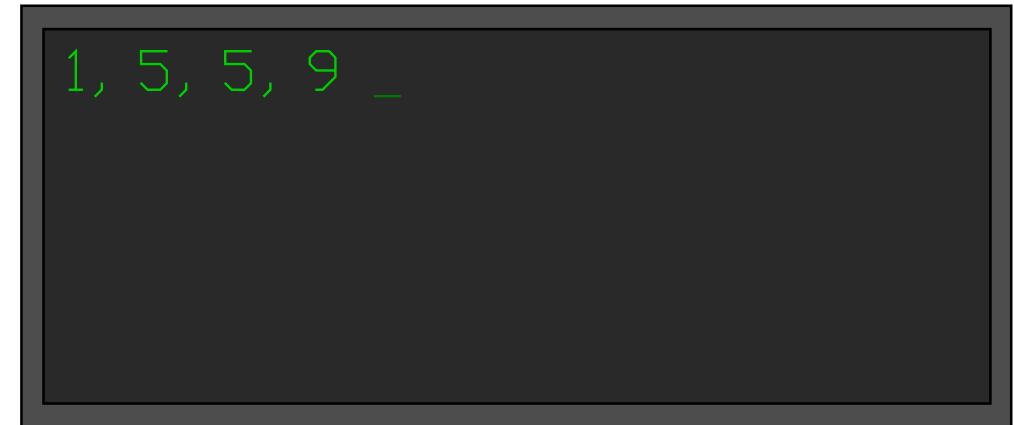
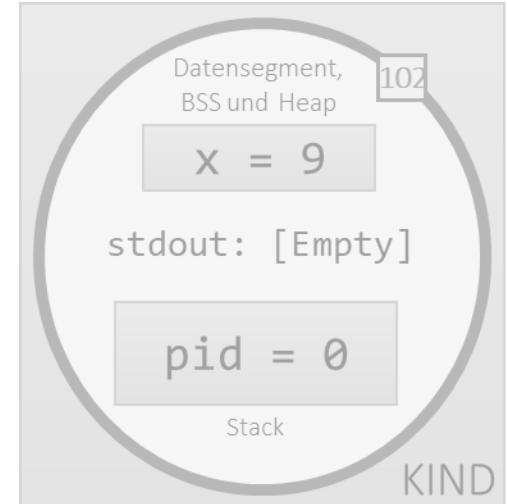
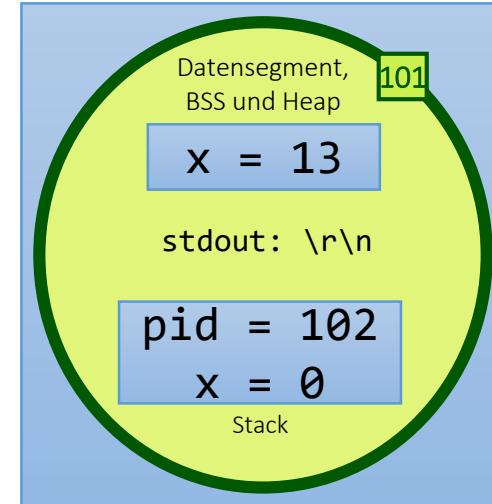
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Terminalkonsole

# Programm mit fork

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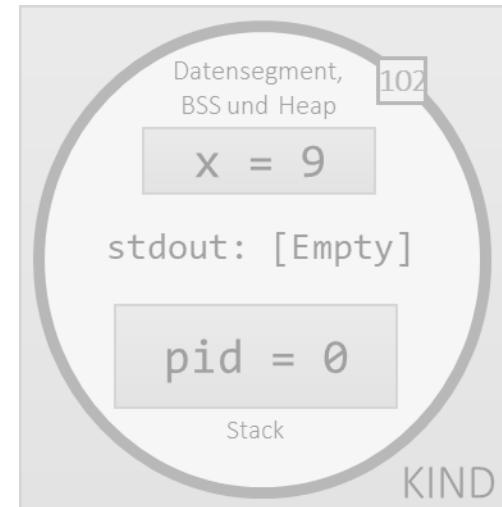
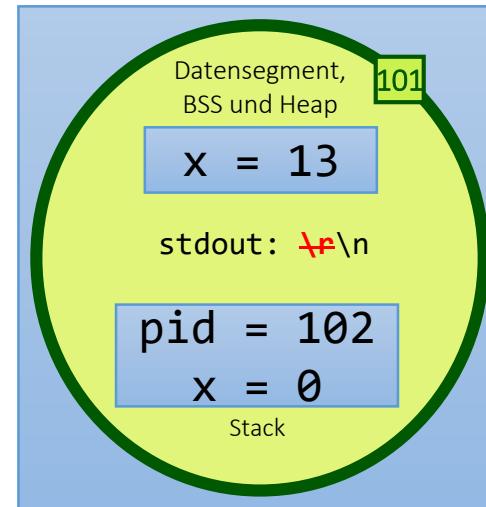
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Terminalkonsole

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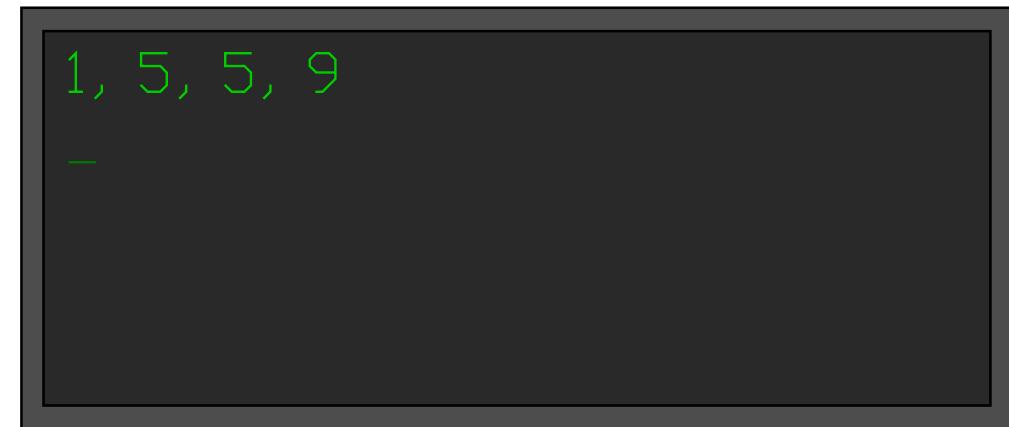
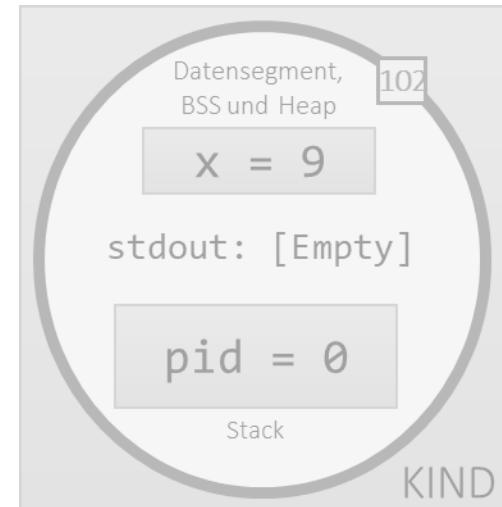
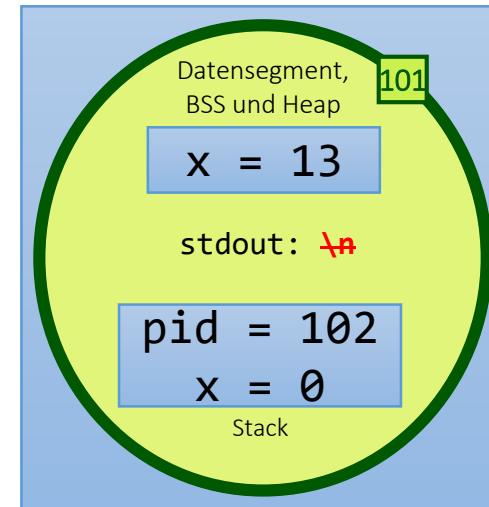
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Terminalkonsole

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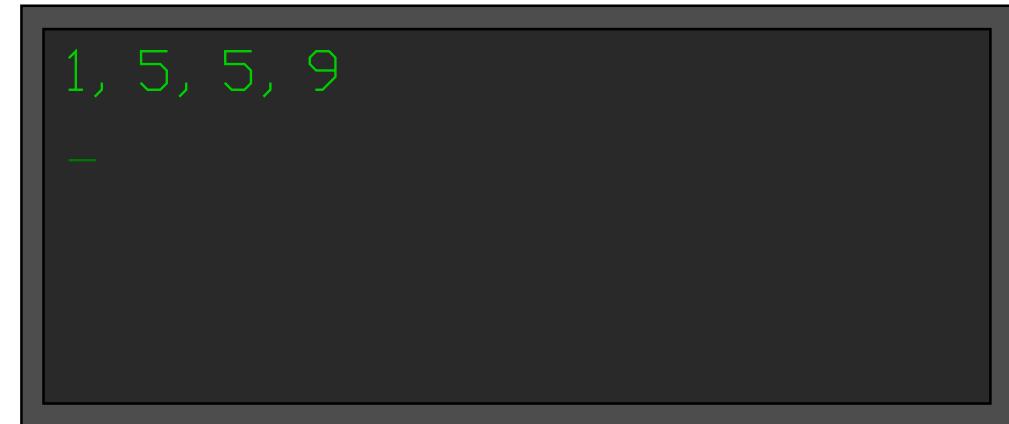
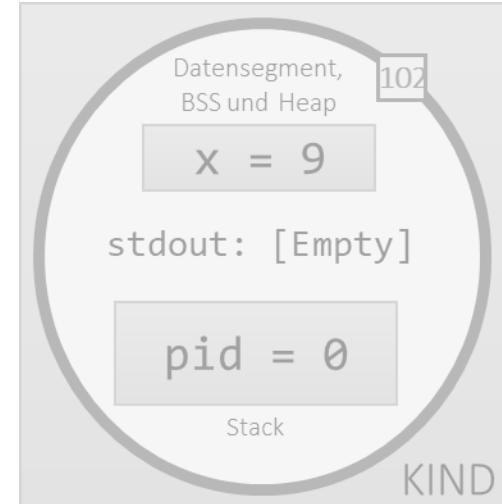
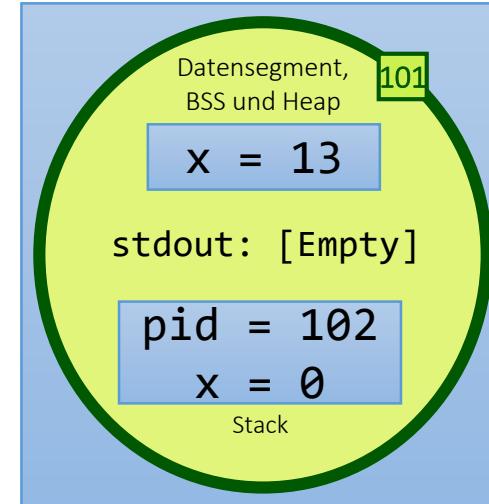
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