16 October 2024 20:04

```
int a;
a=5;
for(int i=0; i<5 ; i++){
}
```

→ Syntax

$i = i - 3$

$i = 3$

Print $n, n-3, n-6, \ldots\ldots^{n} > 0$.

$n = 20$

$n \rightarrow 20,$

$n-3 \rightarrow 17,$

$n-3-3 \rightarrow 14$

$n-3-3-3 \rightarrow 11$

$i = n. \rightarrow 20$

$i = i-3 = 17$

$i = i-3 = 14$

$i = i-3 = 14-3 = 11$

$i = 2$

```
for(int i=20;
  i>0; i-=3) {
S.o.pln(i);
}
```

Print n, n-k, n-2k, n-3k .....

Until printed integer is greater than equal to 0.

n → 30
K → 4

30 - 0×4 = 30 - 0 = 30
30 - 4 = 26
30 - 2×4 = 30 - 8 = 22
30 - 3×4 = 30 - 12 = 18
30 - 4×4 = 30 - 16 = 14
30 - 5×4 = 30 - 20 = 10
30 - 6×4 = 30 - 24 = 6
30 - 7×4 = 30 - 28 = 2
30 - 8×4 = 30 - 32 = -2

i=0, i=1,

$30-0\times4 = n-0\times K = 30$

$30-1\times4 = n-1\times K = 26$

$30-2\times4 = n-2\times K = 22$

$30-3\times4 = n-3\times K = 18$

$30-4\times4 = n-4\times K = 14$

$30-5\times4 = n-5\times K = 10$

$30-6\times4 = n-6\times K = 6$

$30-7\times4 = n-7\times K = 2$ ← ✓

$30-8\times4 = n-8\times K = -2$

n-0*K
n-i*K
n-1*K
i=2
n-2*K
i=3
n-3*K

n-i*K>=0, ← condition

```
for(int i=0; n-i*K>=0; i++){
    int res = n-i*K;
    S.o.pln(res);
}
```

Print a to z.

'a' → char ch

'b'

'c'

'd'

i = 'a' → 97

i = 97+1 = 'a'+1 = 5

ch = 'a'

ch = ch+1

ch = 'b'

ch = ch+1

= 'b'+1

= c.

a, c, e, g, i . . . .

i = 'a' 97 + 2 = 99

i = i + 2 = 'a' + 2 = 'c'