

5a + 5b - Functions

Sunday, 9 August 2026 01:50

Function Prototype: Declares fn. before definition

int mul (int m, int n) ;

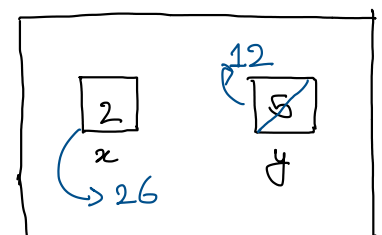
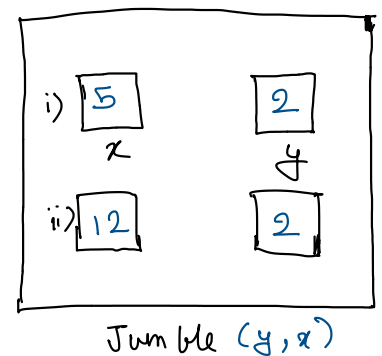
↑
return
type

↑ ↑
input type

Function Prototype is used before main if the fn. is called in main but defined after main.

Q Gate CSE 2019: Find printed output: _____

```
#include<stdio.h>
int jumble(int x, int y){
    x = 2*x+y;
    return x;
}
int main(){
    int x=2, y=5;
    y=jumble(y,x);
    x=jumble(y,x);
    printf("%d \n",x);
    return 0;
}
```



Even though `jumble(y, x)` is in
main,
since the function call

```
int jumple (int x, int y)
```

So `x` gets value of `y` & `y` gets value of `x`

Also last line of the function is `return x`
but

```
y = jumple (y, x)
```

so o/p value of `x` goes to `y`.

`x` & `y` are just variables.

`return x` only returns the value of `x` in the

Activation Record
of main