

How to print on screen?

```
int z = 10;  
printf("%d", z);
```

If we want to print like

```
Total is 10;  
printf("Total is %d". z);
```

Program:

```
#include<stdio.h>  
int main(){  
    int x,t,z;  
    x = 10;  
    t = 20;  
    z = x+t;  
    printf("Total is %d\n", z);  
    printf("Total of %d and %d is %d\n", x,t,z);  
    return 0;  
}
```

We have to place variables in order we want to display, system will not change anything automatically.

—

```
#include<stdio.h>  
int main(){  
    int x,t,z;  
    x = 10;  
    t = 20;  
    z = x+t;  
    printf("Value of X is %d",x);  
    printf("Value of T is %d",t);
```

```
    printf("Total is  %d",z);  
    return 0;  
}
```

Output

Value of X is 10Value of T is 20Total is 30;

Here we can see there is no line change

What printf do.

When you type value of x is %d_ then here cursor will stop.

Whatever you will write will start from _ after the line.

So to change the line we have to pass new line Character(\n) back slash n.

```
printf("Value of X is %d\n",x);  
printf("Value of T is %d\n",t);  
printf("Total is  %d\n",z);
```

Output

Value of x is 10

Value of T is 20

Total is 30

Or we can do in same line with same output

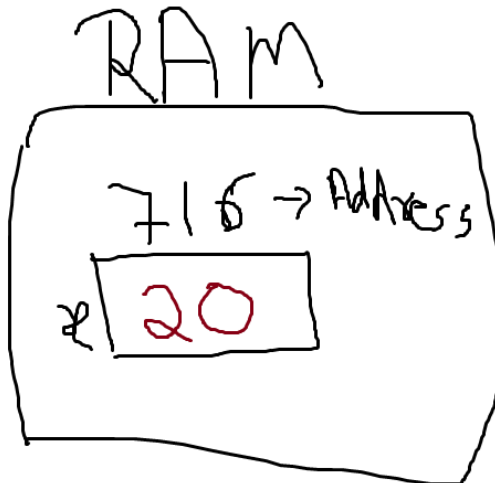
```
printf("Value of X is %d\n Value of T is %d\n Total is  
%d\n",x,t,z);
```

How to Take Input?

We write

Int x; -> this means "RAM me x ke liye Memory allocate kar di jaegi."

X = 20; -> x ki value 20 set kar di jaegi.



Value of x is 20

Address of the x is 716

When programmer use "x" then he will talking about value of x
But when he use "&x" ampersand then he is talking about
address of x

```
printf("%d", x); // 20
```

```
printf("%d", &x); // 716
```

& - address operator.

We need function which can make system in waiting state to
take input.

Scanf : scanf is a function that can be called to accept input
from keyboard(Standard input Device).

We need to give 2 instruction to scanf

- 1) What kind/Type of input is expected
- 2) Where to keep it in ram?

```
scanf("%d", &x);  
    716
```

It means whatever value you will pass to %d that will be placed whose address is 716 here.

Printf & scanf ka prototype stdio.h header file me he.