

C programming – Input Statement

Input statement [scanf()] –

It is a library function which is used as an input function in C programming. It is an input function which takes input from the standard input device.

Using this function, we can scan or input any value and store it in a variable. For example –

```
int a,b,c;
printf("Enter values : ");
scanf("%d",&a);
scanf("%d",&b);
scanf("%d",&c);
```

Or we can use it this way –

```
int a,b,c;
printf("Enter values : ");
scanf("%d%d%d",&a,&b,&c);
```

In the above examples, we didn't specify any separator in scanf(), default separator is [space].

We can also use different separator –

Example 1:

```
scanf("%d,%d,%d",&a,&b,&c);
25,45,30
```

Example 2:

```
scanf("%dA%dB%d",&a,&b,&c);
25A45B30
```

Example 3:

```
scanf("%2d/%2d/%4d",&a,&b,&c);
25/12/1930
```

Example 4:

```
scanf("%2d:%2d:%2d",&a,&b,&c);
12:30:31
```

We can also use fix input size by using suitable conversion character. For example if we need to take input 2 letter or characters we write -

```
scanf("%d",&a);
```