

Function Categories

There are four Categories

- (i) Function with no arguments and no return values.
- (ii) function with no arguments and a return values.
- (iii) function with arguments and no return values.
- (iv) function with arguments and return values.

(i) Function with no arguments and no return values →

In this no arguments | parameter and no return value to the function

Eg:-

```
void square();  
void main()  
{  
    square();  
}  
void Square()  
{  
    int x;  
    int y=2;  
    x=y*y;  
    printf("The square root of y i.e %d is %d \n", y, x);  
}
```

→ So in this first of all we declared the function square() which has no return value and arguments.

→ Then it enters in main() function where square() is called so it immediately it goes to the body of square() function

→ It executes all body of function and after its execution program control jumps back to where it comes to square() body

Output:-

The square root of y i.e 2 is 4



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