Video No.: 63

Topic Name: Function Definition in C

What is function definition?

Function definition consist of block of code which is capable of performing some specific task.

Example:

```
int add(int a, int b){
    int sum;
    sum = a + b;
    return sum;
}
```

Code 02:

```
#include<stdio.h>
int add(int, int); // function prototype


int main(){
    int m = 20, n = 30, sum;
    sum = add(m,n);
    printf("The sum of the two given number is: %d", sum);
}


// Definition of Function
int add(int a, int b){
    return(a+b);
}
```

This is the way we call a function.

Note: While calling a function we should not mention the return type of the function.

Also, we should not mention the data types of the argument.

This is the way we define a function.

Note: It is important to mention both data type and name of parameters

What is difference between an Argument and a Parameter?

Parameter: It is a variable in the declaration and definition of the function.

Argument: It is the actual value of the parameter that gets passed to the function.

NOTE: Parameter is also called as Formal Parameter and Argument is also called as Actual Parameter.

Example:

```c
#include<stdio.h>
int add(int, int); // function prototype


int main(){
    int m = 20, n = 30, sum;
    sum = add(m,n);
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// Definition of Function
int add(int a, int b){
    return(a+b);
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Arguments or Actual Parameters

Parameters or Formal Parameters