



SNS COLLEGE OF TECHNOLOGY



Coimbatore-36.

An Autonomous Institution

**Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A+’ Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai**

**COURSE NAME : 23ITT101 PROGRAMMING IN C AND DATA STRUCTURES
I YEAR/ II SEMESTER**

**UNIT – II FUNCTIONS
FUNCTIONS-TYPES OF FUNCTION**

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FUNCTION PROTOTYPE(fn Name, args,return value)

Prototype helps to check the arguments & return value of the function

Types of Function

1. Without arguments and return value
2. Without arguments and with return value
3. With arguments and no return value
4. With arguments and with return value



Without arguments and without return value

```
Void main()
{
    void add(void);
    add();
    getch();
}
void add()
{
    int a,b,c;
    printf("Enter a &b");
    scanf("%d %d",&a, &b);
    c=a+b;
    printf("%d",c);
}
```

Without arguments and with return value

```
Void main()
{
    int c;
    c=add();
    printf("%d",c)
    getch();
}
int add()
{
    int a=5,b=5;
    return(a+b);
}
```



with arguments and no return value

```
void main()
{
    int a=6,b=7;
    add(a,b);
    getch();
}

add(int i,int j)
{
    int k;
    k=i+j;
    printf("%d",k);
}
```

With arguments and with return value

```
void main()
{
    int a=6,b=7,c;
    c=add(a,b);
    printf("%d",c);
    getch();
}

int add(int i,int j)
{
    int k;
    k=i+j;
    return(k);
}
```

