



SNS COLLEGE OF 5 TECHNOLOGY

Coimbatore-35

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

DEPARTMENT OF INFORMATION TECHNOLOGY

PROGRAMMING FOR PROBLEM SOLVING

UNIT – 4 FUNCTIONS PARAMETES & DECLARATION



C Function Parameters



- Parameters and Arguments
- Information can be passed to functions as a parameter. Parameters act as variables inside the function.
- Parameters are specified after the function name, inside the parentheses. You can add as many parameters as you want, just separate them with a comma:



Syntax



- *returnType functionName(parameter1, parameter2, parameter3)*
- {
 // code to be executed
}



EXAMPLE



- ```
void ece(char name[]) {
 printf("Hello %s\n", name);
}
```

```
int main() {
 ece("jack");
 ece("arul");
 ece("gokul");
 return 0;
}
```

**output**  
Hello jack  
Hello arul  
Hello gokul



# Multiple Parameters



- `void ece(char name[], int roll)`
- ```
{  
    printf("sns %s. Your register no %d .\n", name, roll);  
}
```

```
int main() {  
    ece("jack", 1004);  
    ece("arul", 1005);  
    ece("jeeva", 1006);  
    return 0;  
}
```

Output

```
Sns jack your register no 1004  
Sns arul your register no 1005  
Sns jeeva your register no 1006
```



Function Declaration and Definition

- // Create a function
void sns() {
 printf("welcome");
}

```
int main() {  
    sns(); // call the function  
    return 0;  
}
```

Output
welcome



DECLARATION



- A function consist of two parts:
- **Declaration:** the function's name, return type, and parameters (if any)
- **Definition:** the body of the function (code to be executed)
- `void sns() { // declaration
// the body of the function (definition)
}`



Example



- **// Function declaration**
void ece();

// The main method
int main() {
 ece(); // call the function
 return 0;
}

// Function definition
void ece() {
 printf("ECE-A");
}

Output
ECE- A



THANK YOU