

a) Java SE (Java Standard Edition) Standalone/Desktop Apps  
b) Java EE (Java Enterprise Edition) Web & Enterprise Apps  
c) Java ME (Java Micro Edition) Mobile & Embedded Devices  
d) JavaFX (Java FX) Rich Internet Apps (UI/Graphics) [out dated]

Name of the Language : Java  
Initial Name : OAK (Tree Name)  
Developed By : James Gosling & his friends  
First Version release Date : 23rd Jan 1996 (JDK 1.0)  
Project Name : Green Project  
Purpose : To create a common remote control  
Java : Island in Indonesia  
Official Symbol : Coffee Cup  
Current Version : Java 25 (16th SEP 2023)



**Case 1 :**  
A function which is not returning any value

```
public void accept()  
{  
}
```

```

Case 2 :
*****
A function which is returning some value
public int accept()
{
    return 0;
}

```

- 1) Predefined OR Built-in function
- 2) User-defined OR Custom function

A function which is developed by language creator itself is called predefined function.

predefined function.

**User-defined OR Custom Function**

A function which is written by user/developer for its own requirement and specification is called User-defined function.

#### Advantages of Function :

1) Modularity :  
Dividing the bigger task into number of smaller task

2) Easy to understand :

Once the task is  
module.

3) Reusability :  
We can reuse a particular module for 'n' number of times

Note : In java, we always reuse our java classes.

4) Easy debugging :

Each module is isolated from another module so the debugging is easy because we can debug only one module without affecting another module.

### Why we are passing parameter to a function :

**Why we are passing parameter to a function :**  
 ~~~~~  
 We should pass parameter to a function for getting more information regarding the function.  
 If we don't pass parameter then the informations are not complete. It is partial information.

5. We don't

```

example :
public void deposit(double amount)
{
}

public void doGum(int x, int y)
{
}

public void sleep(int hours)
{
}

```