

Functions part 2 in Java

1. writing your first program.
2. understanding standard library print function
3. creating your first functions with no arguments
4. creating functions with arguments and return types
5. calling a function within function
6. coming up with proper name of functions
7. how to decide what should be input and output of the function?
8. deciding proper data types for input and output from function.

① writing your first program.

⇒ public class Function {

public static void main (String[] args) {
 ...
}

fileName == class Name

Function.java X



Day 12 > Function.java > Function

```
1 //Day 12 of learning
2 //Function part 2
3
4 public class Function {
5     Run | Debug
6     public static void main(String[] args) { //Main Function
7         enuMadudilla(); //Fuction invocation
8     }
9
10    //Function definition
11    public static void enuMadudilla(){
12        //printMessage("Namasthe Bharath"); //This is one way of returning
13
14        //The another way of calling the function
15        String message = "Namasthe Bharath";
16        printMessage(message);
17    }
18
19    //Function with Arguments
20    public static String printMessage(String message){
21        System.out.println(message);
22
23        return message;
24    }
25
26 }
27
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS


Filter

Code



[Running] cd "c:\Users\ANANYA\OneDrive\Desktop\Algorithm365\Day 12\" && javac Function.java && java Function
Namasthe Bharath

[Done] exited with code=0 in 1.628 seconds

 Function1.java ✕

Day 12 >  Function1.java >  Function1 >  main(String[])

```
1 //Day 12 of Learning
2 //Function part 2
3
4 public class Function1 {
5     public static void main(String[] args) {
6         String studentName = getTopperNameForSubject(grade:1, subject:"Maths"); //you can also write var
7
8         System.out.println(studentName);
9
10        printStudentDetails(studentID:1);
11    }
12
13    //Who is the Topper
14    //Which subject ?
15    //Which grade ?
16    //Response name of the student
17
18    public static String getTopperNameForSubject(int grade ,String subject){
19        String name = "Ananya";
20        return name;
21    }
22
23    //get the total number of BOYS and GIRLS
24    //returns array in which at 0 index boys count is present and 1 index girls count is present
25    public static int[] getTotalCountOfBoysGirls(int schoolID){
26        // Dummy
27        int[] results = {200,300};
28        return results;
29    }
30
31    //print student details
32    public static void printStudentDetails(int studentID){
33        //Dummy
34        String name = "Jyothi";
35        int age = 22;
36        int grade = 14;
37        float CGPA = 8.5f;
38        boolean isRegularToCollage = true;
39
40        System.out.println(name);
41        System.out.println(age);
42        System.out.println(grade);
43        System.out.println(CGPA);
44        System.out.println(isRegularToCollage);
45    }
46 }
47
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

...

Filter

Code

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✕

[Running]

cd "c:\Users\ANANYA\OneDrive\Desktop\Algorithm365\Day 12\" && javac Function1.java && java Function1

Ananya

Jyothi

22

14

8.5

true

[Done]

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