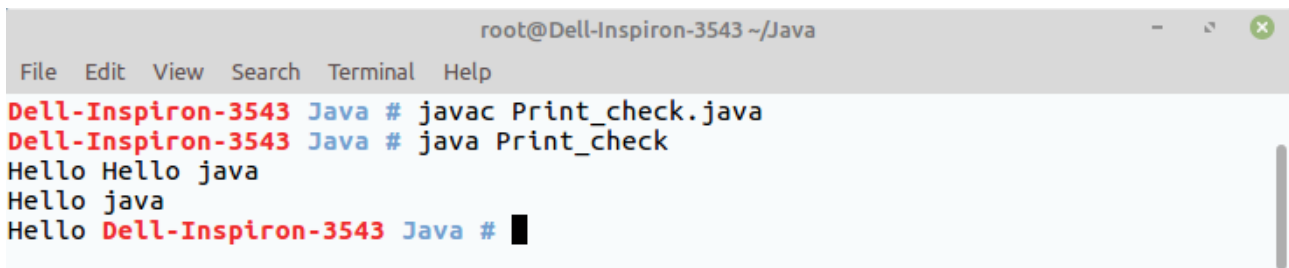


## 1. Difference between print() and println().

### Code:

```
class Print_check{
    public static void main(String[] args){
        System.out.print("Hello ");
        System.out.println("Hello java");
        System.out.println("Hello java");
        System.out.print("Hello ");
    }
}
```

### Output:



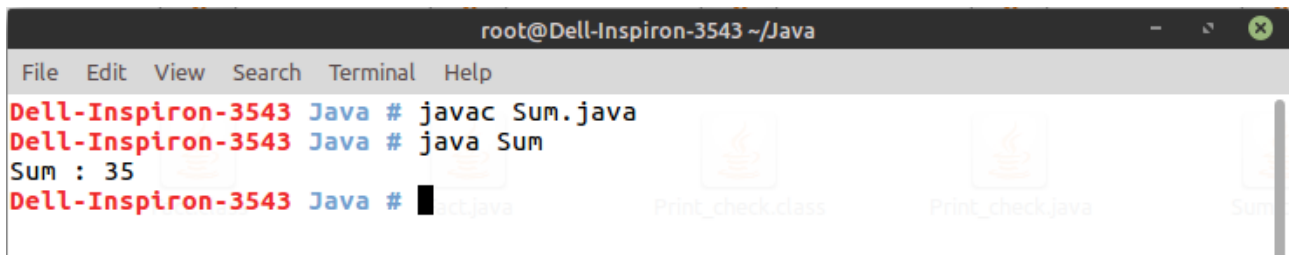
```
root@Dell-Inspiron-3543 ~/Java
File Edit View Search Terminal Help
Dell-Inspiron-3543 Java # javac Print_check.java
Dell-Inspiron-3543 Java # java Print_check
Hello Hello java
Hello java
Hello Dell-Inspiron-3543 Java #
```

## 2. Sum of two number.

### Code:

```
class Sum{
    public static void main(String[] args){
        int a = 5, b = 30;
        System.out.println("Sum : " + (a+b));
    }
}
```

### Output:



The screenshot shows a terminal window titled "root@Dell-Inspiron-3543 ~/Java". The terminal has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The command history shows the following sequence of commands and outputs:

```
Dell-Inspiron-3543 Java # javac Sum.java
Dell-Inspiron-3543 Java # java Sum
Sum : 35
Dell-Inspiron-3543 Java #
```

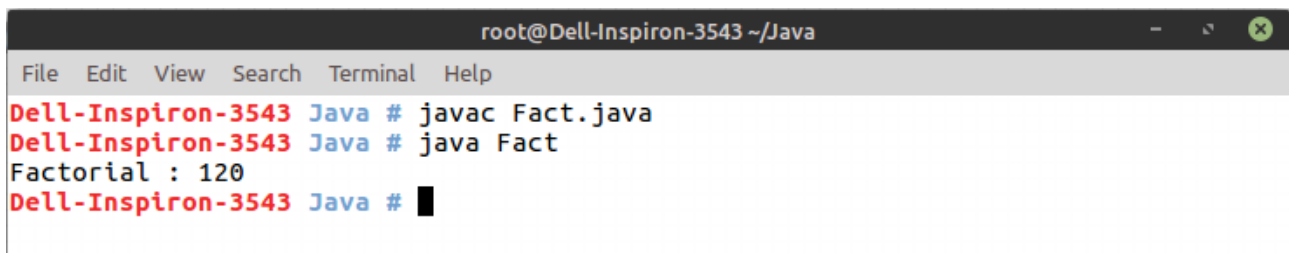
Below the terminal window, there are icons for several files: "Print\_check.class", "Print\_check.java", and "Sum.java".

### 3. Factorial calculation.

#### Code:

```
class Fact{
    public static void main(String[] args){
        int x = 5, ans = 1;
        while(x >= 1){
            ans*=x--;
        }
        System.out.println("Factorial : " + ans);
    }
}
```

#### Output:

A screenshot of a terminal window titled "root@Dell-Inspiron-3543 ~/Java". The terminal has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The output shows the compilation and execution of a Java program. The prompt "Dell-Inspiron-3543 Java #" is shown three times, corresponding to the commands "javac Fact.java", "java Fact", and a subsequent prompt. The output of the program is "Factorial : 120".

```
root@Dell-Inspiron-3543 ~/Java
File Edit View Search Terminal Help
Dell-Inspiron-3543 Java # javac Fact.java
Dell-Inspiron-3543 Java # java Fact
Factorial : 120
Dell-Inspiron-3543 Java #
```

#### 4. Area calculation inside main method.

##### Code:

```
class Area{
    public static void main(String[] args){
        int l = 5, b = 6;
        System.out.println("Area : " + (l*b));
    }
}
```

##### Output:



The screenshot shows a terminal window titled "root@Dell-Inspiron-3543 ~/Java". The terminal has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The command history shows the following sequence of commands and outputs:

```
Dell-Inspiron-3543 Java # javac Area.java
Dell-Inspiron-3543 Java # java Area
Area : 30
Dell-Inspiron-3543 Java #
```

## 5. Area calculation in another method.

### Code:

```
class Area1{
    public static void main(String[] args){
        Area1 a = new Area1();
        a.calArea();
    }

    void calArea(){
        int l = 5, b = 6;
        System.out.println("Area : " + (l*b));
    }
}
```

### Output:

A screenshot of a terminal window titled "root@Dell-Inspiron-3543 ~/Java". The terminal has a menu bar with "File", "Edit", "View", "Search", "Terminal", and "Help". The command history shows: "Dell-Inspiron-3543 Java # javac Area1.java", "Dell-Inspiron-3543 Java # java Area1", and "Area : 30". The prompt "Dell-Inspiron-3543 Java # " is followed by a black cursor.

```
root@Dell-Inspiron-3543 ~/Java
File Edit View Search Terminal Help
Dell-Inspiron-3543 Java # javac Area1.java
Dell-Inspiron-3543 Java # java Area1
Area : 30
Dell-Inspiron-3543 Java #
```

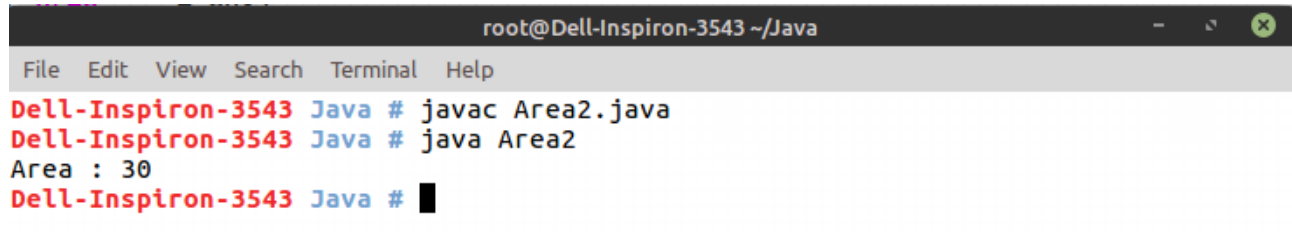
## 6. Return the value of area from another method to main method.

### Code:

```
class Area2{
    public static void main(String[] args){
        Area2 a = new Area2();
        int ans;
        ans = a.calArea();
        System.out.println("Area : " + ans);
    }

    int calArea(){
        int l = 5, b = 6;
        return (l*b);
    }
}
```

### Output:

A screenshot of a terminal window titled 'root@Dell-Inspiron-3543 ~/Java'. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The terminal shows the following commands and output:

```
Dell-Inspiron-3543 Java # javac Area2.java
Dell-Inspiron-3543 Java # java Area2
Area : 30
Dell-Inspiron-3543 Java #
```

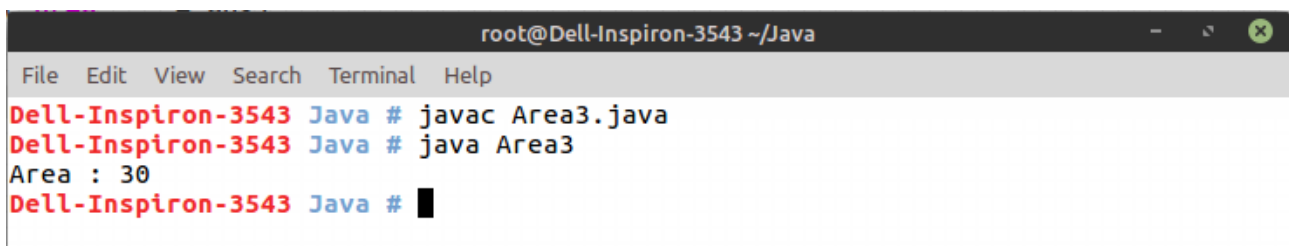
## 7. Parameter passing to another method to calculate area.

### Code:

```
class Area3{
    public static void main(String[] args){
        Area3 a = new Area3();
        int ans;
        ans = a.calArea(5,6);
        System.out.println("Area : " + ans);
    }

    int calArea(int l,int b){
        return (l*b);
    }
}
```

### Output:

A screenshot of a terminal window titled "root@Dell-Inspiron-3543 ~/Java". The terminal shows the following commands and output:

```
File Edit View Search Terminal Help
Dell-Inspiron-3543 Java # javac Area3.java
Dell-Inspiron-3543 Java # java Area3
Area : 30
Dell-Inspiron-3543 Java #
```