

# KODNEST

## ASSIGNMENT 5

### METHODS

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# TYPE 1

Methods which would not accept any parameter and would not return any value

A screenshot of a Java IDE interface. On the left, there are two tabs: 'Datatypes.java' and 'type1.java'. The 'type1.java' tab is active, showing the following code:

```
1 package Methods;
2
3 public class type1 {
4     public static void main(String []args)
5     {
6         add();
7     }
8     public static void add()
9     {
10        int a=10;
11        int b=20;
12        int c=a+b;
13        System.out.println("Addition:"+c);
14    }
15
16 }
17
```

The right side of the interface shows the 'Console' tab, which displays the output of the program: 'Addition:30'.

# TYPE 2

Method which would not accept any parameters but would return the value

A screenshot of a Java IDE interface. On the left, there are three tabs: 'Datatypes.java', 'type1.java', and 'Type2.java'. The 'Type2.java' tab is active, showing the following code:

```
1 package Methods;
2
3 public class Type2 {
4
5     public static void main(String []args)
6     {
7         int res=add();
8         System.out.println("Addition:"+res);
9     }
10    public static int add()
11    {
12        int a=10;
13        int b=20;
14        int c=a+b;
15        return c;
16    }
17
18 }
19
20
```

The right side of the interface shows the 'Console' tab, which displays the output of the program: 'Addition:30'.

# TYPE 3

Method which would accept parameters and would not return any value

A screenshot of a Java IDE interface. The left pane shows several Java files: Datatypes.java, type1.java, Type2.java, and Type3.java. The Type3.java file is open and contains the following code:

```
1 package Methods;
2
3 public class Type3 {
4     public static void main(String []args)
5     {
6         int x=20;
7         int y=30;
8         add(x,y);
9     }
10    public static void add(int a,int b)
11    {
12        int c= a+b;
13        System.out.println("Addition:"+c);
14    }
15 }
```

The right pane shows the IDE's toolbars and a console window. The console output is:

```
<terminated> Type3 [Java Application] C:\Program Files\Java\jdk-17\bin\jav...
Addition:50
```

# TYPE 4

Methods which would accept parameters and would return value.

A screenshot of a Java IDE interface. The left pane shows several Java files: Datatypes.java, type1.java, Type2.java, Type3.java, and Type4.java. The Type4.java file is open and contains the following code:

```
1 package Methods;
2
3 public class Type4 {
4     public static void main(String []args)
5     {
6         int x=60;
7         int y=30;
8         int res=add(x,y);
9         System.out.println("Addition:"+res);
10    }
11    public static int add(int a,int b)
12    {
13        int c= a+b;
14        return c;
15    }
16 }
```

The right pane shows the IDE's toolbars and a console window. The console output is:

```
<terminated> Type4 [Java Application] C:\Program Files\Java\jdk-17\bin\jav...
Addition:90
```