

# KODNEST ASSIGNMENT 5

21 JULY 2023

*Submitted By*

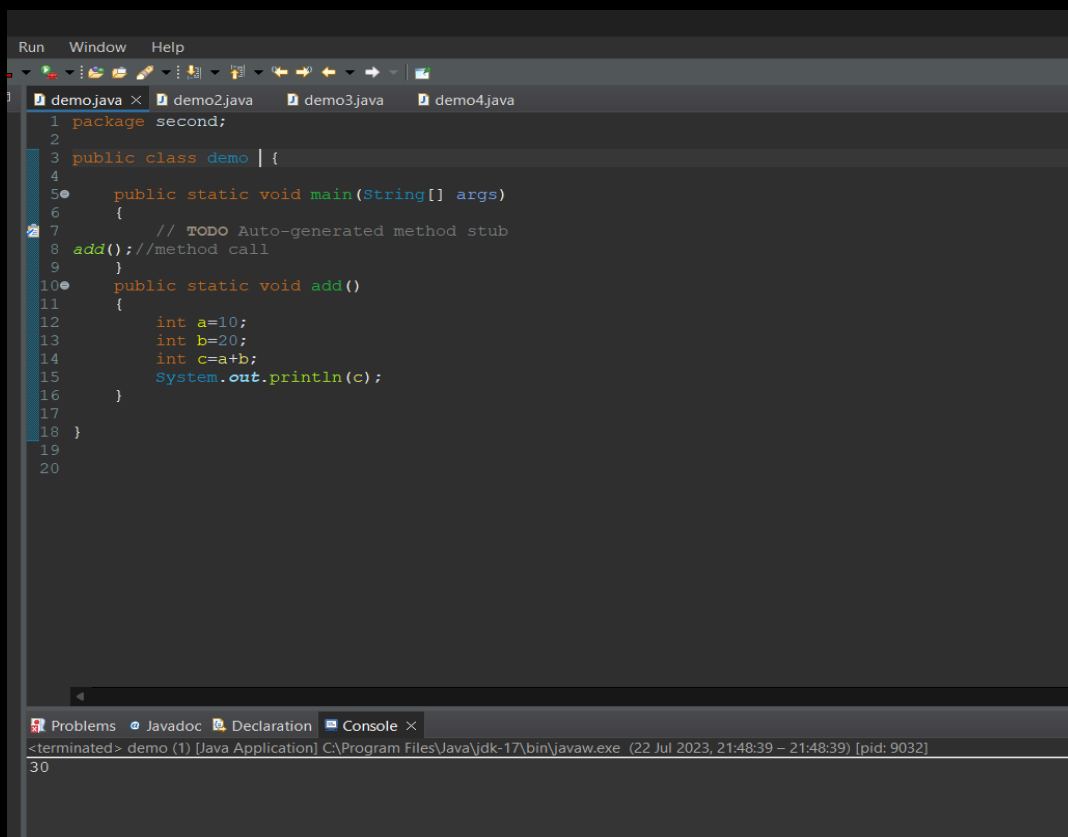
*Ragendu V S*

*Email:ragendhuvs02 @gmail.com*

# Methods in java

## Type 1:

Method which would not accept any parameter and would not return any value.

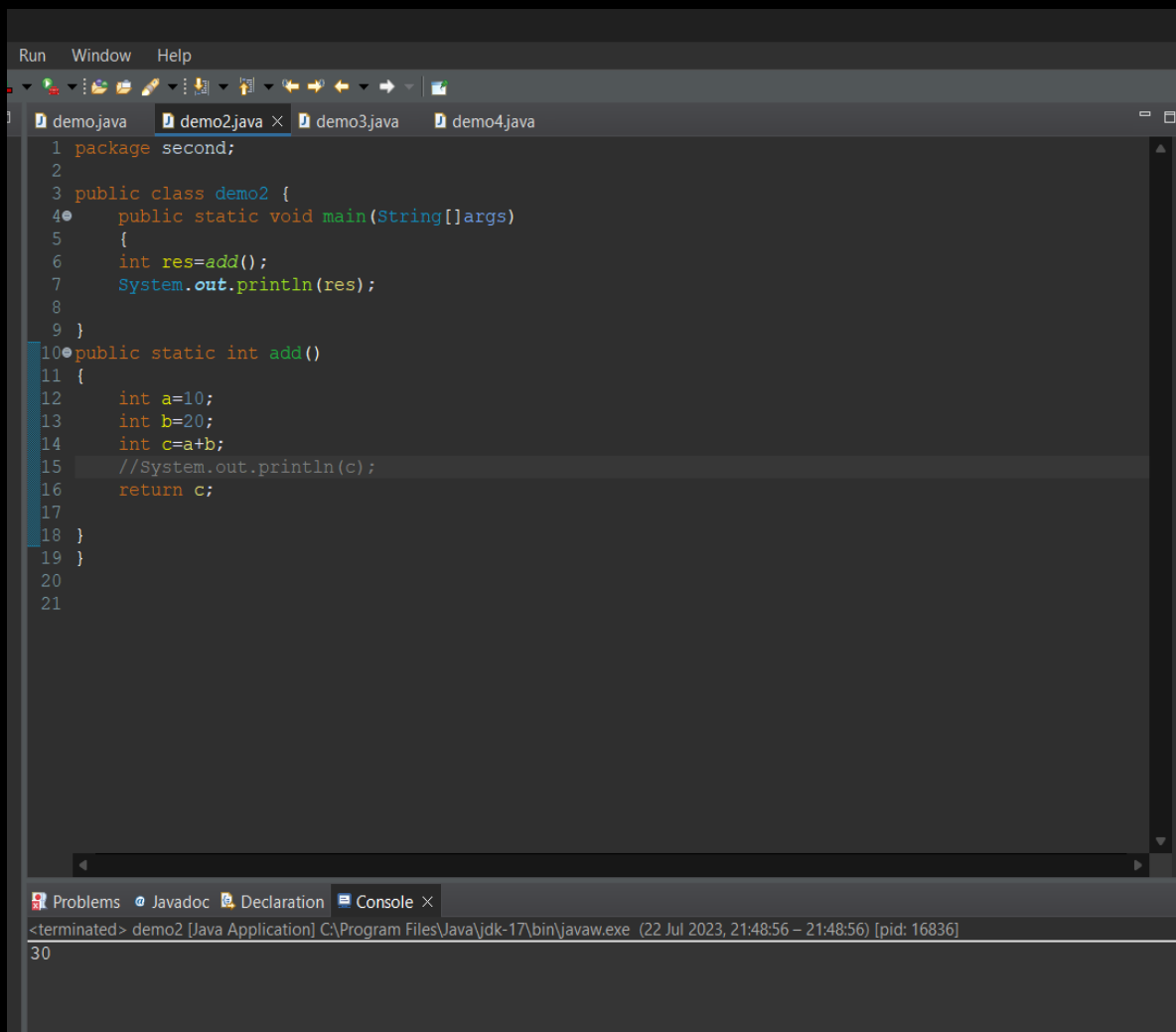


```
1 package second;
2
3 public class demo {
4
5     public static void main(String[] args)
6     {
7         // TODO Auto-generated method stub
8         add();//method call
9     }
10    public static void add()
11    {
12        int a=10;
13        int b=20;
14        int c=a+b;
15        System.out.println(c);
16    }
17 }
18
19
20
```

The screenshot shows an IDE window with a Java file named 'demo.java'. The code defines a package 'second', a public class 'demo', and a public static void method 'main' that calls a static void method 'add'. The 'add' method calculates the sum of two integers 'a' (10) and 'b' (20) and prints the result 'c' (30) to the console. The IDE interface includes a menu bar (Run, Window, Help), a toolbar, and a console window at the bottom showing the output of the program.

## Type 2:

Method which would not accept any parameter but would return any value.



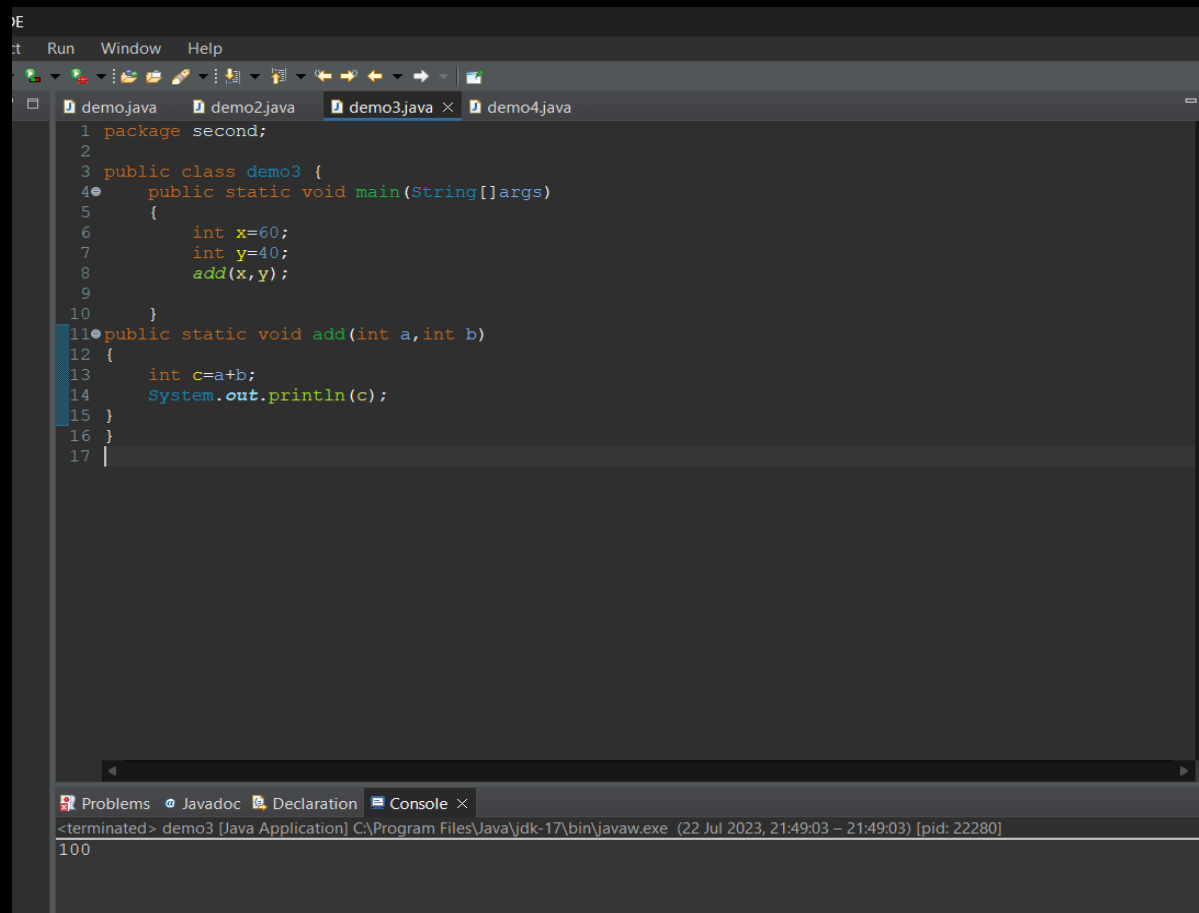
The screenshot shows an IDE window with a Java file named `demo2.java`. The code defines a package `second`, a class `demo2`, and two methods: `main` and `add`. The `add` method is a static method that takes no parameters and returns an integer value. The `main` method calls `add` and prints the result.

```
1 package second;
2
3 public class demo2 {
4     public static void main(String[] args)
5     {
6         int res=add();
7         System.out.println(res);
8     }
9 }
10 public static int add()
11 {
12     int a=10;
13     int b=20;
14     int c=a+b;
15     //System.out.println(c);
16     return c;
17 }
18 }
19 }
20 }
21 }
```

The IDE interface includes a menu bar (Run, Window, Help), a toolbar, and a tabbed editor showing `demo2.java`, `demo3.java`, and `demo4.java`. The bottom panel shows the 'Console' tab with the output `<terminated> demo2 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (22 Jul 2023, 21:48:56 - 21:48:56) [pid: 16836]` and the page number 30.

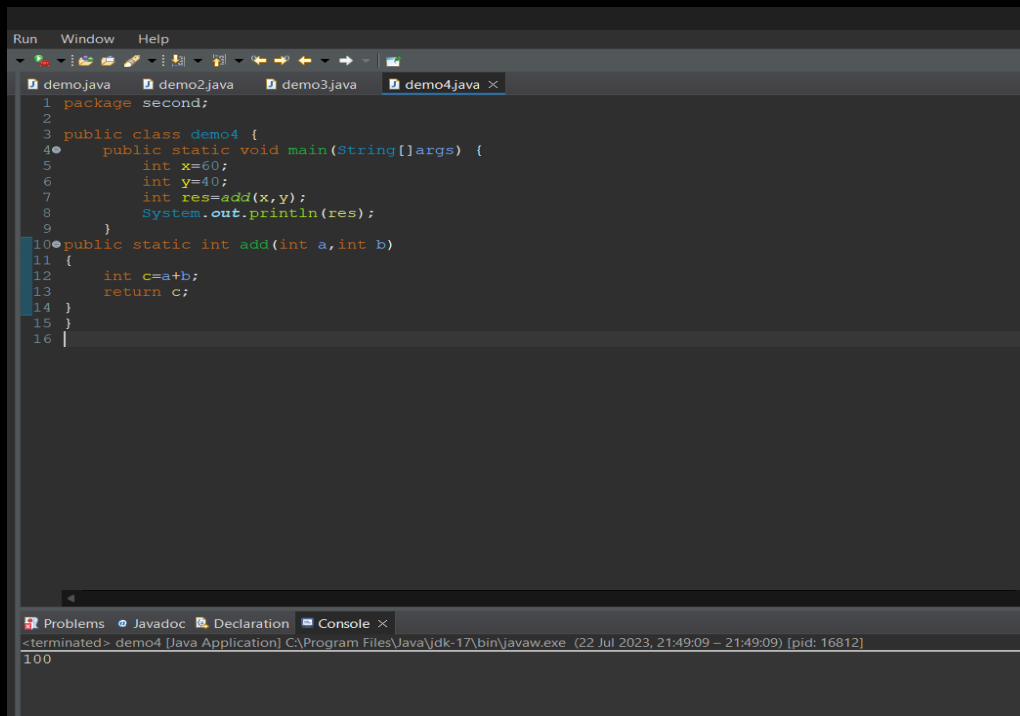
## Type 3:

Method which would accept parameter and would not return any value.

A screenshot of an IDE window showing a Java file named 'demo3.java'. The code defines a package 'second' and a class 'demo3'. Inside the class, there is a 'main' method that initializes variables 'x' and 'y' to 60 and 40 respectively, and calls a method 'add(x, y)'. The 'add' method is a static void method that takes two integers 'a' and 'b' as parameters, calculates their sum 'c', and prints it using 'System.out.println(c)'. The IDE interface includes a menu bar (File, Edit, Run, Window, Help), a toolbar, and a console window at the bottom showing the output '100'.

## Type 4:

Method which would accept parameter and would return any value.



```
1 package second;
2
3 public class demo4 {
4     public static void main(String[] args) {
5         int x=60;
6         int y=40;
7         int res=add(x,y);
8         System.out.println(res);
9     }
10    public static int add(int a,int b)
11    {
12        int c=a+b;
13        return c;
14    }
15 }
16 |
```

The screenshot shows an IDE window with the file 'demo4.java' selected. The code defines a package 'second', a class 'demo4', and a static method 'add' that takes two integers and returns their sum. The 'main' method calls 'add' with values 60 and 40, and prints the result. The bottom console shows the program terminated successfully.