

NAME: HIBA N  
A2 BATCH  
TO: PUNITH SIR

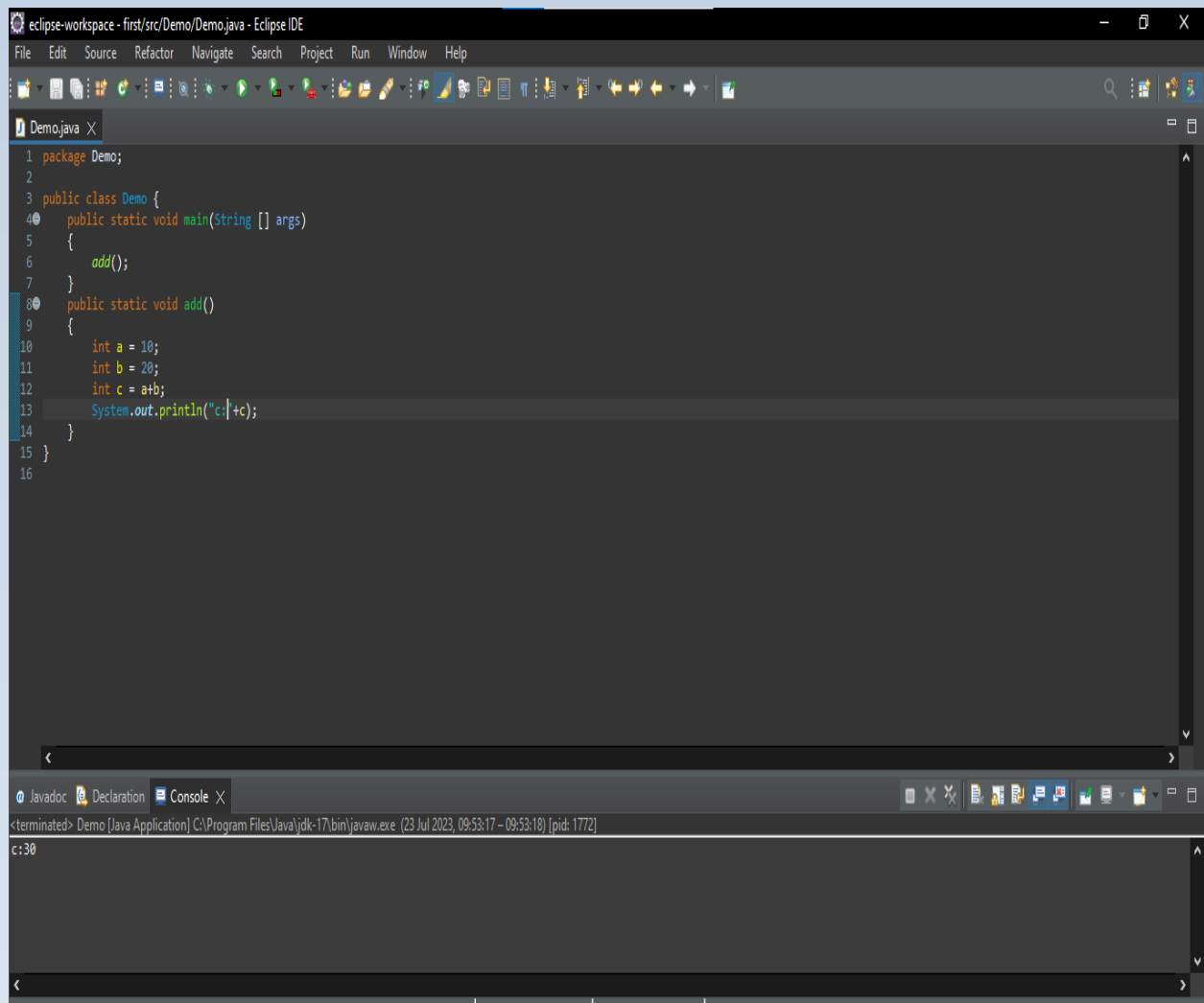
# ASSIGNMENT

## METHODS IN JAVA:

*Methods are set of statements use to perform a particular task. If a method have to be executed it has to be called by using its name.*

## TYPE1:

*Method which will not accept any parameters and would not return any value.*



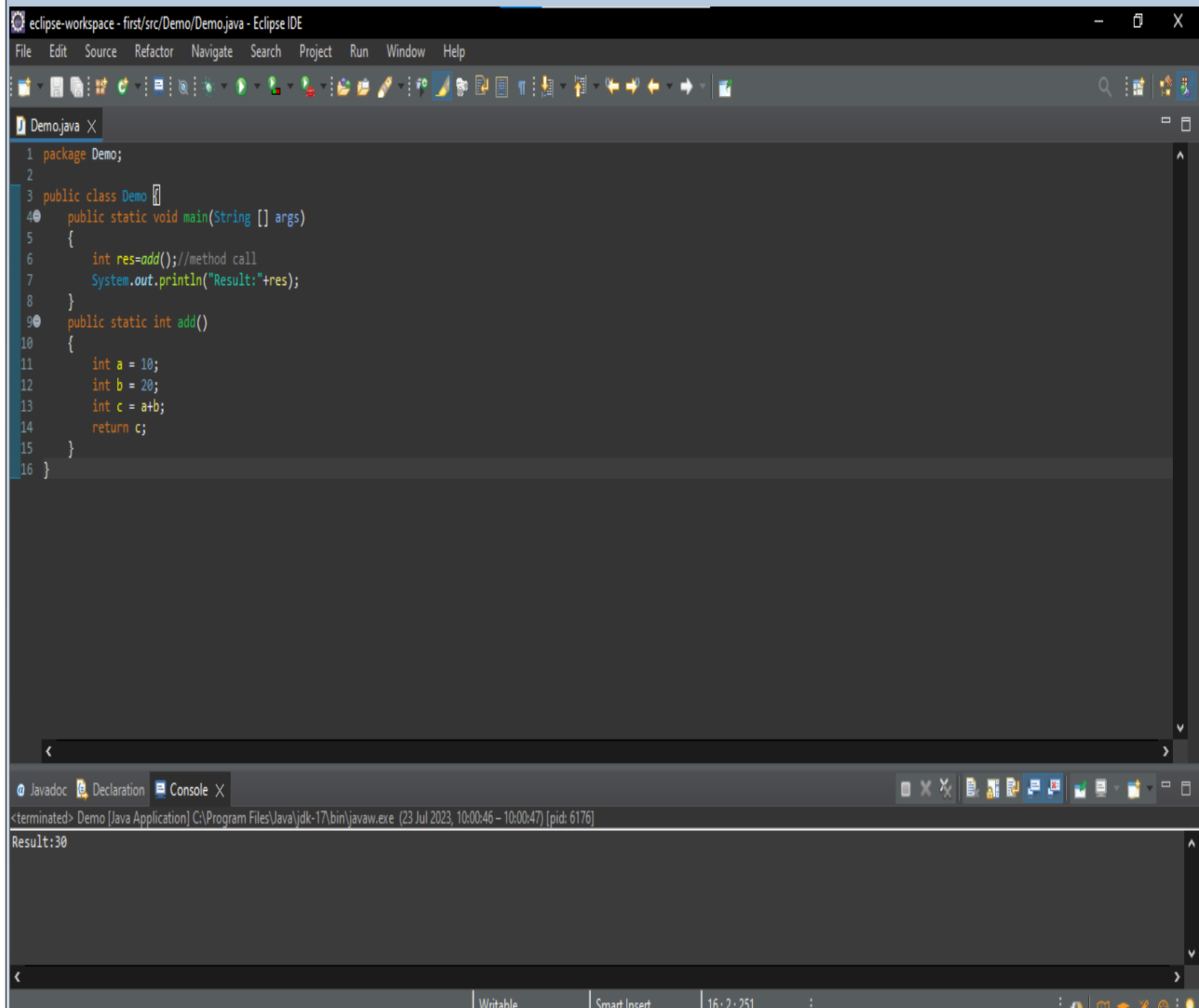
The screenshot shows the Eclipse IDE interface. The main editor window displays a Java file named 'Demo.java' with the following code:

```
1 package Demo;
2
3 public class Demo {
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("c:|+c);
14    }
15 }
16
```

The bottom of the IDE shows a console window with the output 'c:30'.

## **TYPE2:**

***Method which will not accept any parameters and would return any value.***



The screenshot displays the Eclipse IDE interface. The main editor window shows a Java file named `Demo.java` with the following code:

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

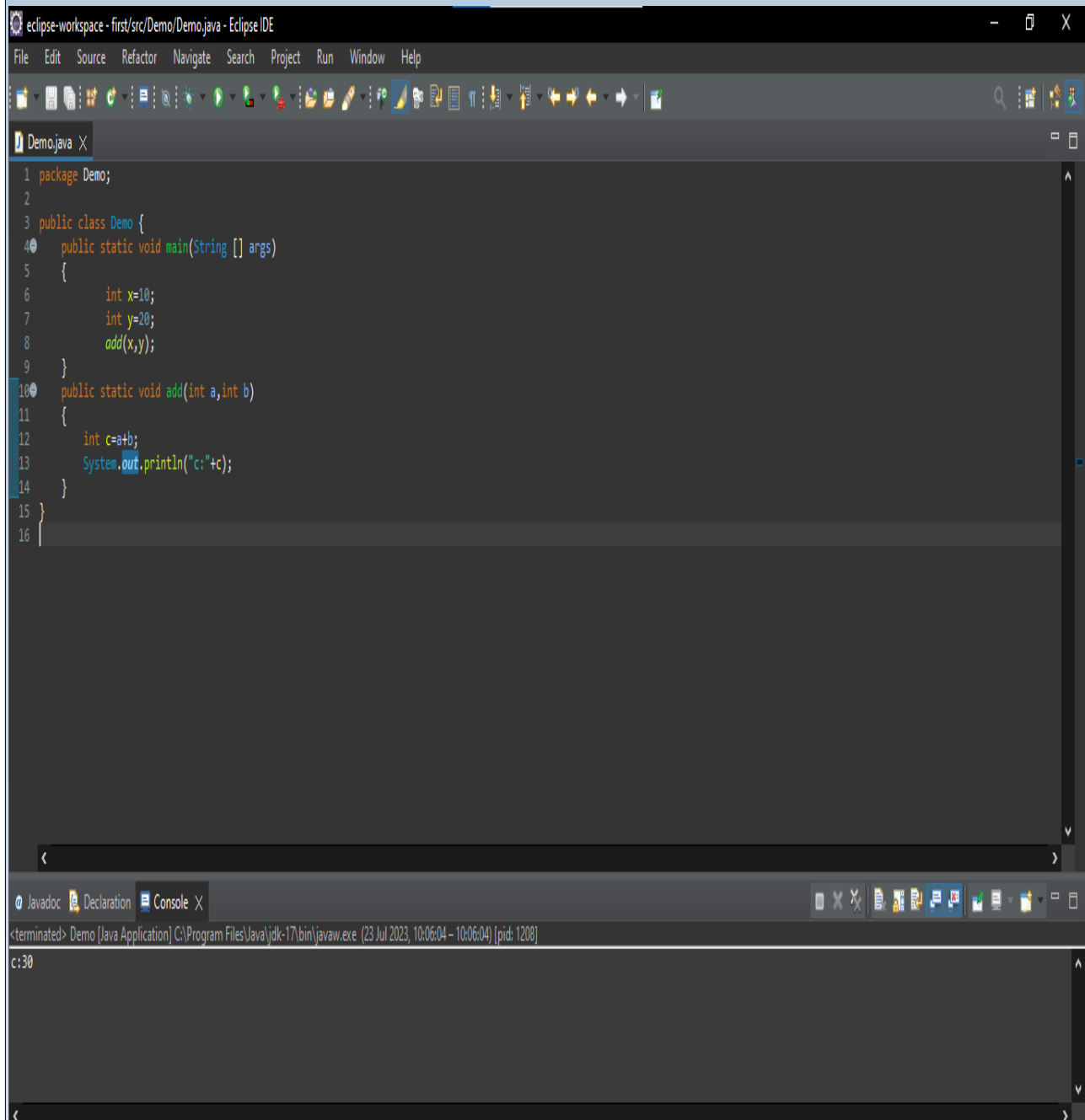
Below the editor, the `Console` tab is active, showing the output of the program:

```
<terminated> Demo [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (23 Jul 2023, 10:00:46 - 10:00:47) [pid: 6176]
Result:30
```

The status bar at the bottom indicates the cursor is at line 16, column 25.

## **TYPE3:**

***Method which would have parameters and return nothing.***



The screenshot shows the Eclipse IDE interface. The main editor window displays a Java file named `Demo.java` with the following code:

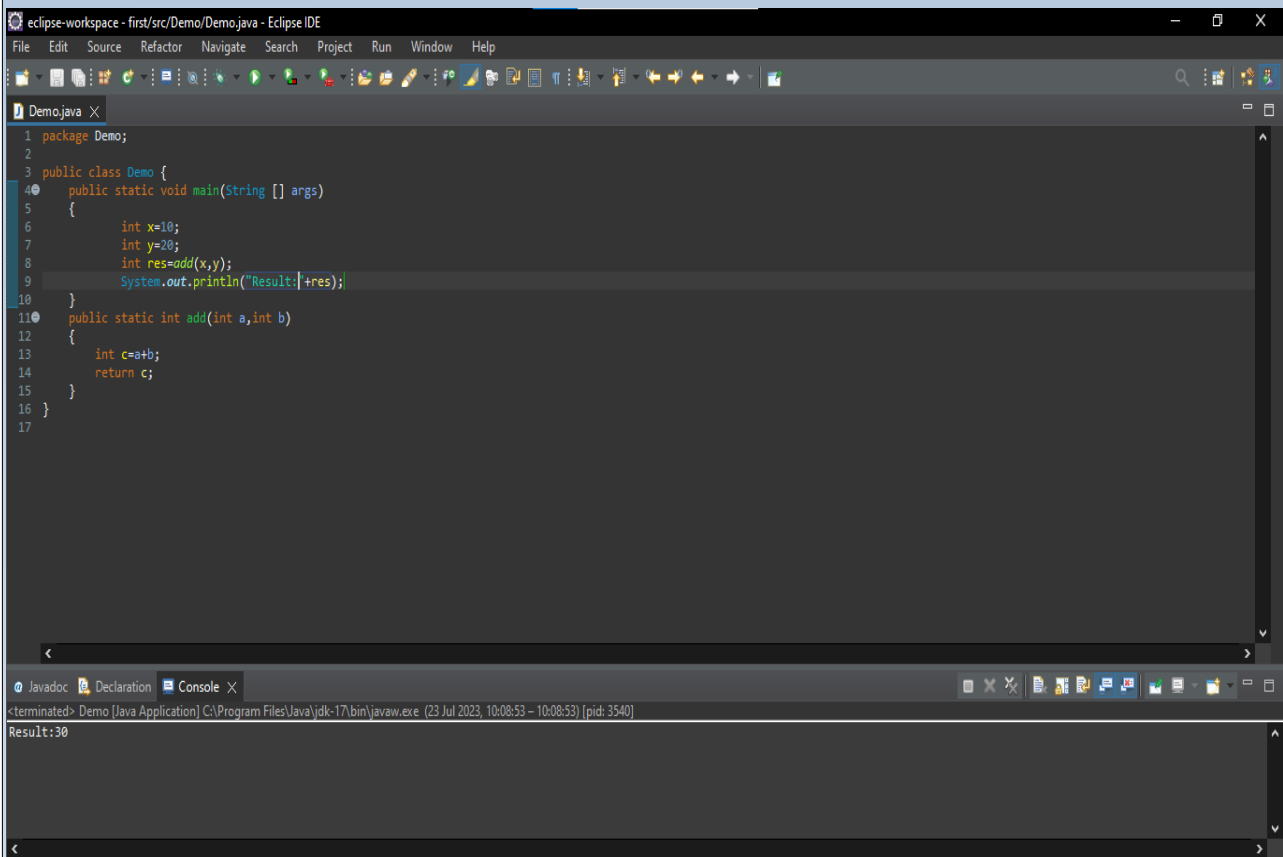
```
1 package Demo;
2
3 public class Demo {
4     public static void main(String [] args)
5     {
6         int x=10;
7         int y=20;
8         add(x,y);
9     }
10    public static void add(int a,int b)
11    {
12        int c=a+b;
13        System.out.println("c:"+c);
14    }
15 }
16
```

The `add` method is highlighted with a blue selection bar, indicating it is the current focus. The `main` method calls `add(x,y)`. The IDE's bottom panel shows the `Console` tab, which displays the output of the program:

```
<terminated> Demo [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (23 Jul 2023, 10:06:04 - 10:06:04) [pid: 1208]
c:30
```

## **TYPE4:**

***Method which would have parameters and return any value.***



The screenshot shows the Eclipse IDE interface. The main editor window displays a Java file named `Demo.java` with the following code:

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

The bottom of the IDE shows the Console window with the output:

```
<terminated> Demo [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (23 Jul 2023, 10:08:53 - 10:08:53) [pid: 3540]
Result:30
```

***THANK YOU!***