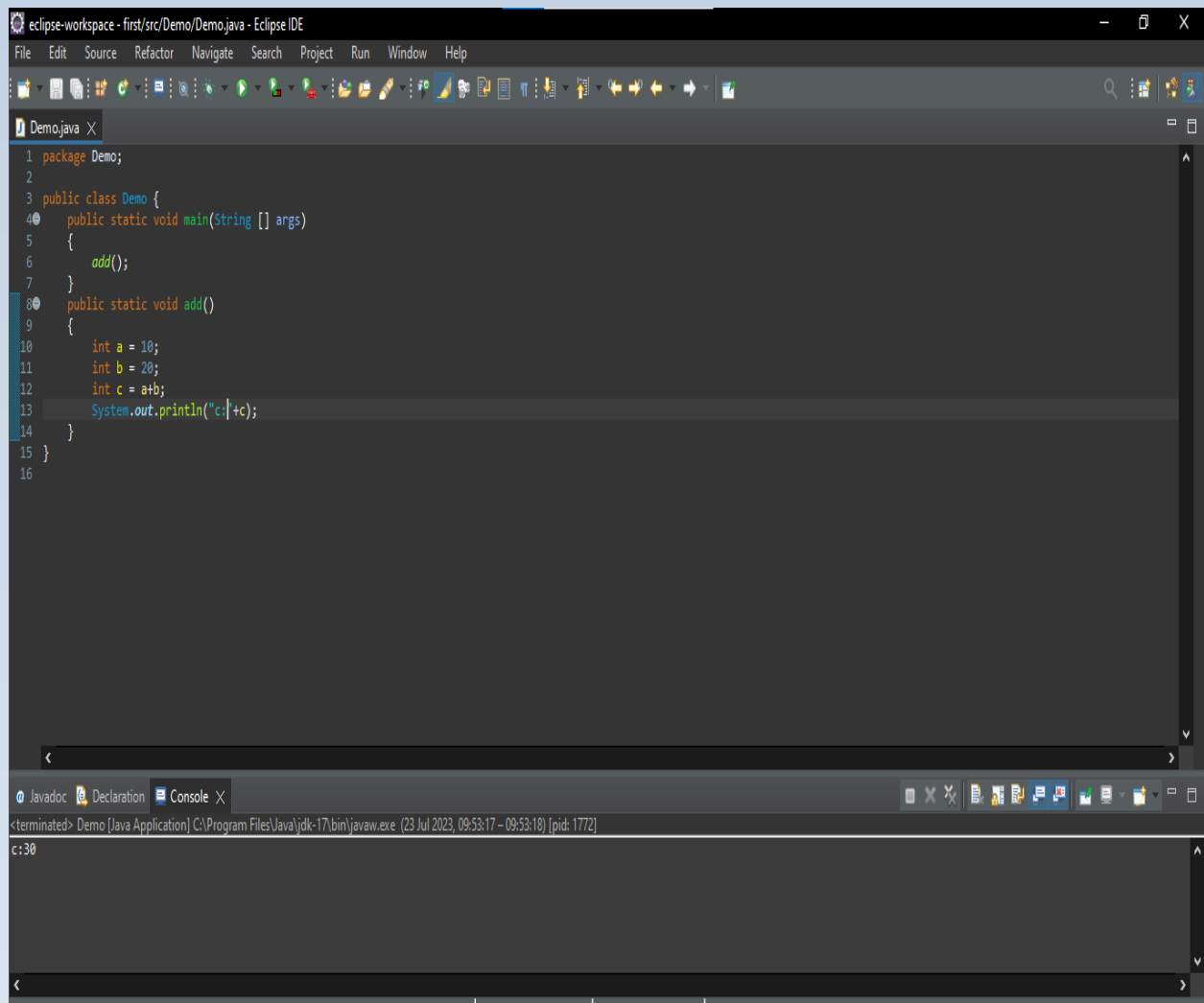**NAME: HIBA N**
A2 BATCH
TO: PUNITH SIR

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:

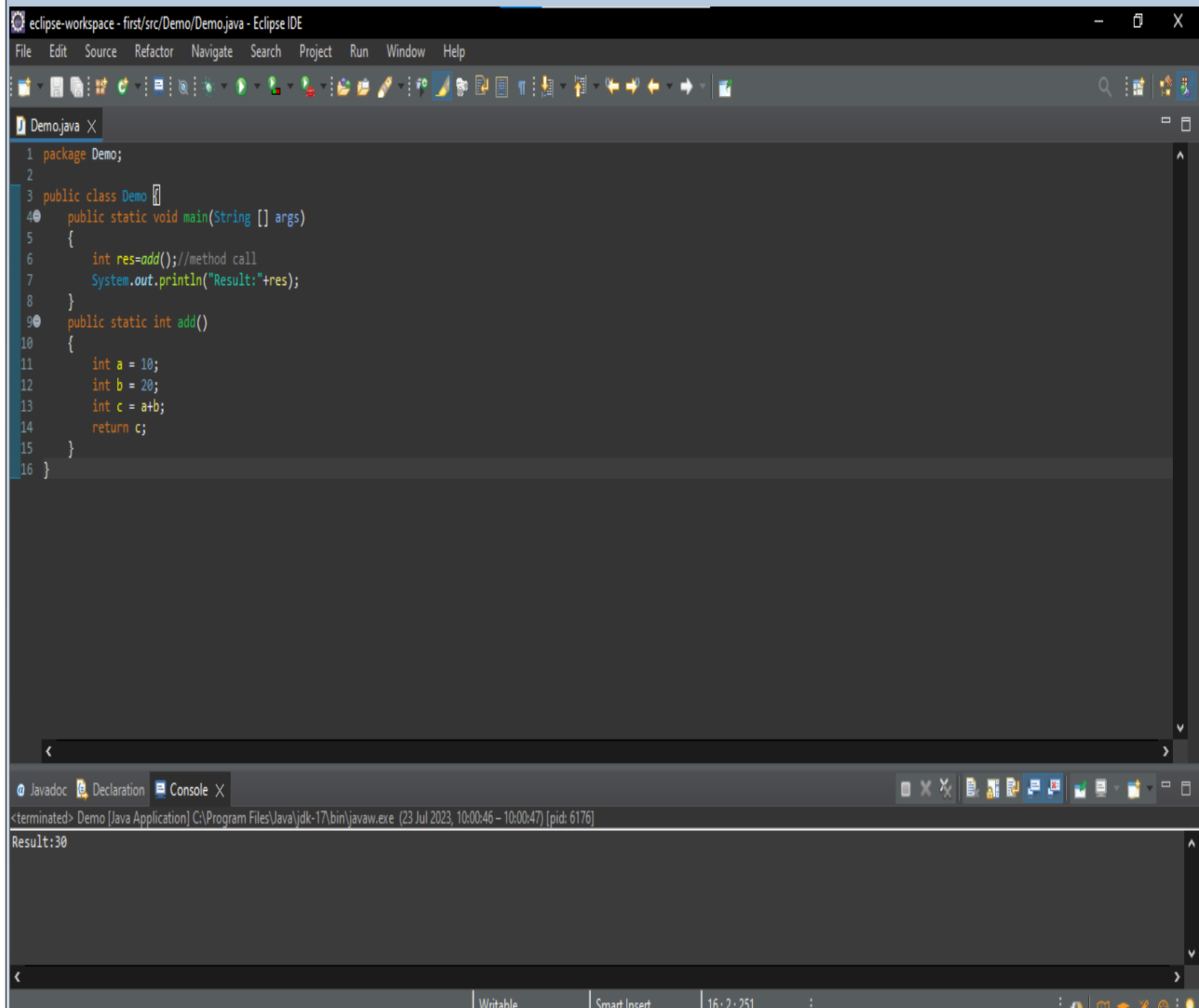*Method which will not accept any parameters and would not return any value.*

```java
package Demo;

public class Demo {
    public static void main(String [] args)
    {
        add();
    }
    public static void add()
    {
        int a = 10;
        int b = 20;
        int c = a+b;
        System.out.println("c:"+c);
    }
}
```

Console:
```
c:30
```

TYPE2:
Method which will not accept any parameters and would return any value.

```java
package Demo;

public class Demo {
    public static void main(String [] args)
    {
        int res=add();//method call
        System.out.println("Result:"+res);
    }
    public static int add()
    {
        int a = 10;
        int b = 20;
        int c = a+b;
        return c;
    }
}
```
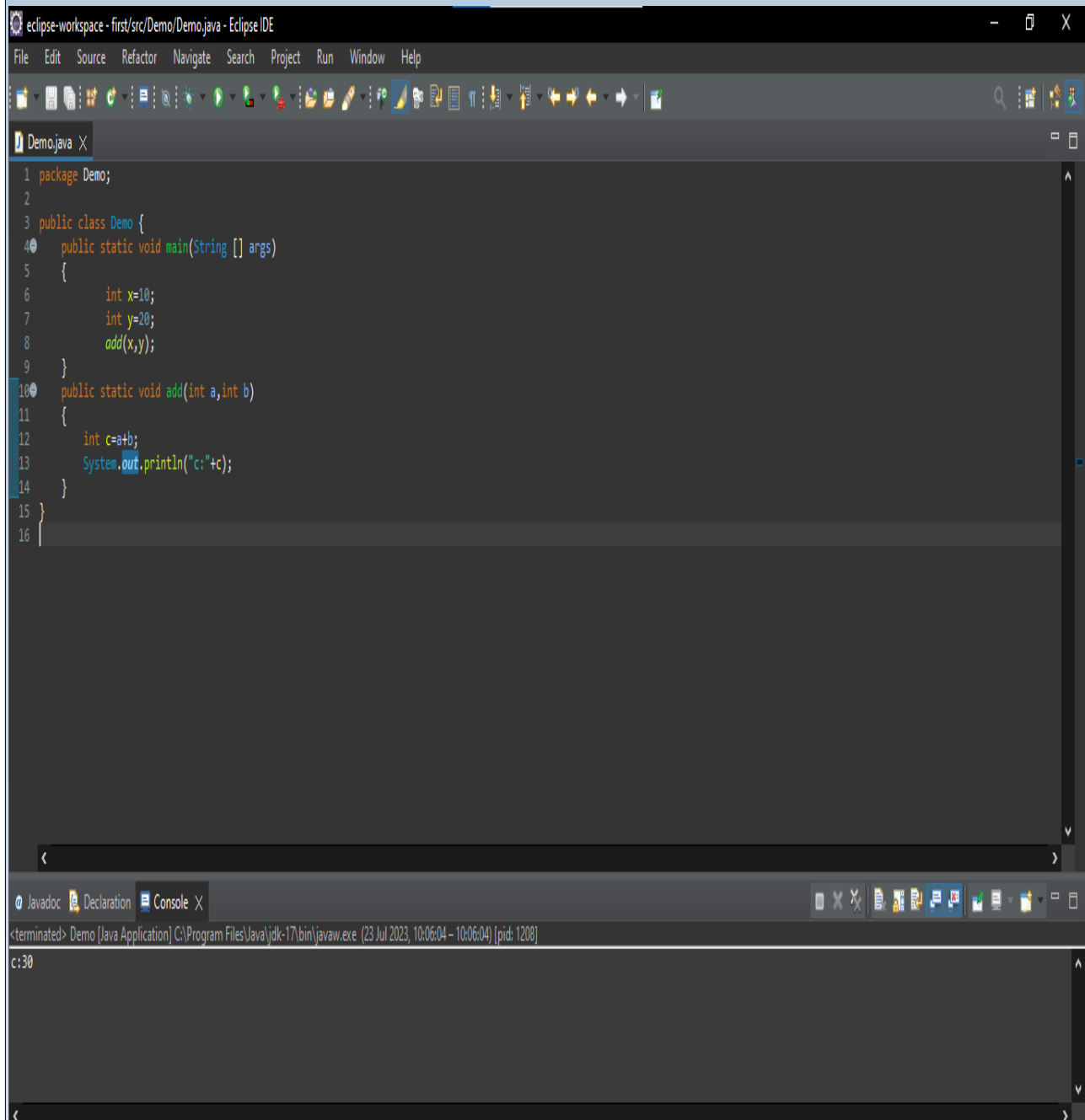
Console output:

```
<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
```

TYPE3:

Method which would have parameters and return nothing.
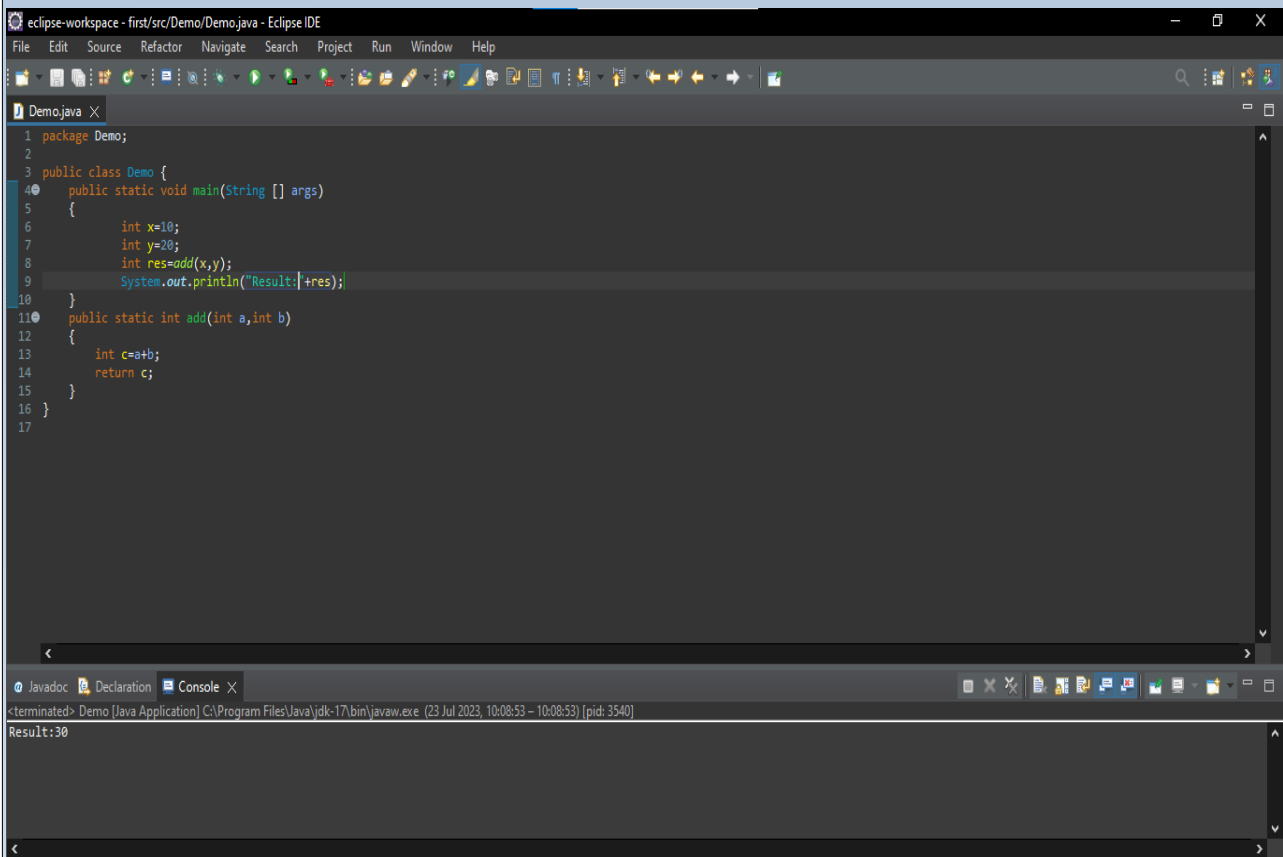


```java
package Demo;

public class Demo {
    public static void main(String [] args)
    {
        int x=10;
        int y=20;
        add(x,y);
    }
    public static void add(int a,int b)
    {
        int c=a+b;
        System.out.println("c:"+c);
    }
}
```

```
<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.

```java
package Demo;

public class Demo {
    public static void main(String [] args)
    {
        int x=10;
        int y=20;
        int res=add(x,y);
        System.out.println("Result:"+res);
    }
    public static int add(int a,int b)
    {
        int c=a+b;
        return c;
    }
}
```

Console

```
<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!