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Kodnest

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Assignment

Methods In Java:

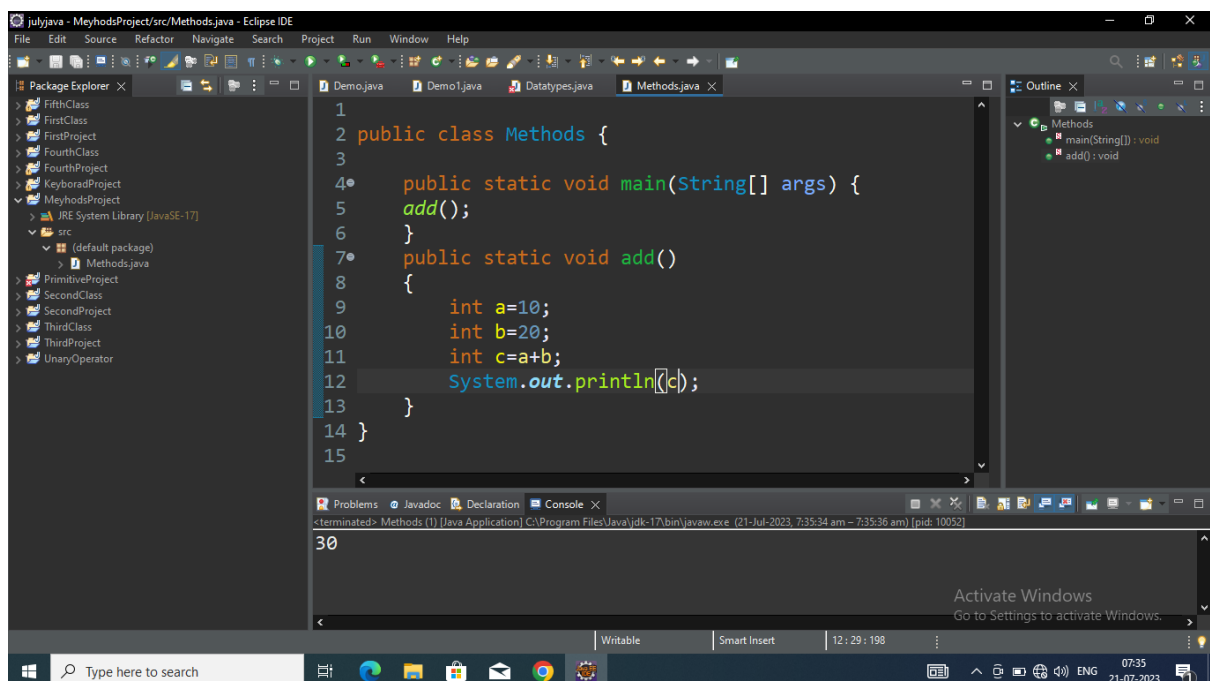
Methods are the set of statements used to perform a particular tasks.

- If a methods as to be executed it as to be called by using it's name.

Methods is classified into four types:

Type 1 Methods:

Method which would not accept parameters and it would not return value.



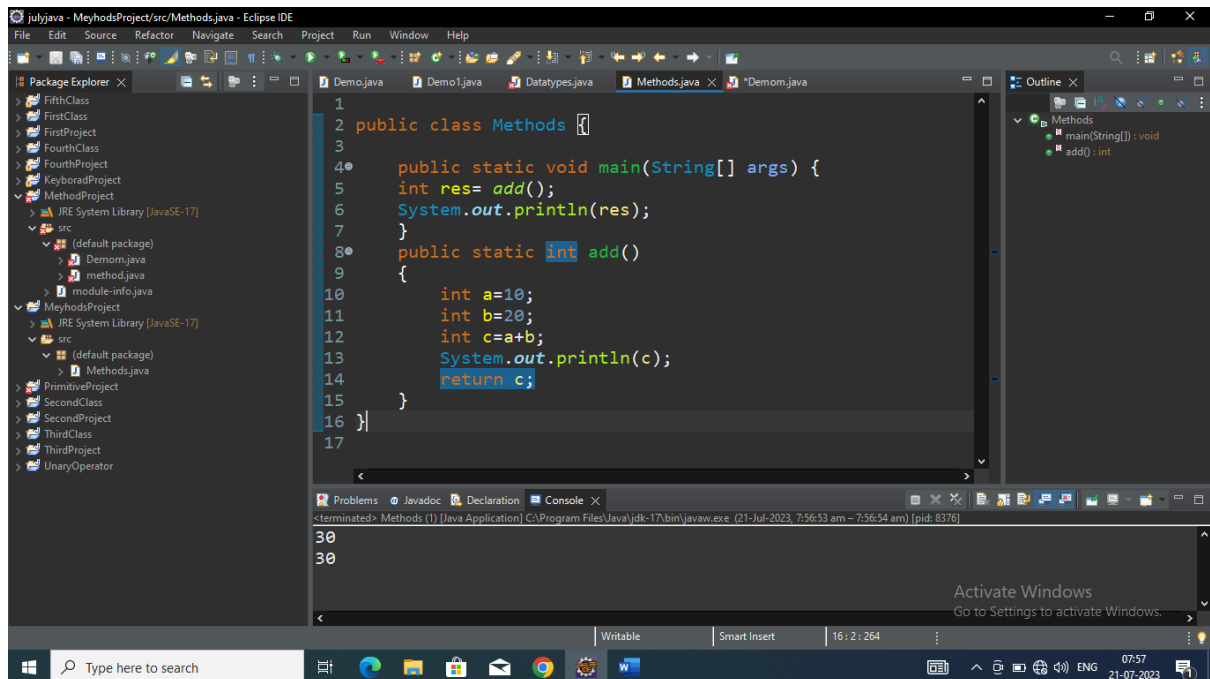
The screenshot shows the Eclipse IDE interface. The Package Explorer on the left lists several projects, including 'MethodsProject'. The main editor window displays the source code for 'Methods.java'. The code defines a public class 'Methods' with two static methods: 'main' and 'add'. The 'main' method calls the 'add' method. The 'add' method calculates the sum of two integers 'a' and 'b' and prints the result 'c'.

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

The Outline view on the right shows the class structure with 'main(String[]) : void' and 'add() : void' listed. The Console view at the bottom shows the output of the program, which is '30'.

Type 2 Methods:

Method which would not accept any parameters and it would be return value.



The screenshot shows the Eclipse IDE with a Java project named 'MeyhodProject'. The 'src' folder contains a file named 'Methods.java'. The code in 'Methods.java' is as follows:

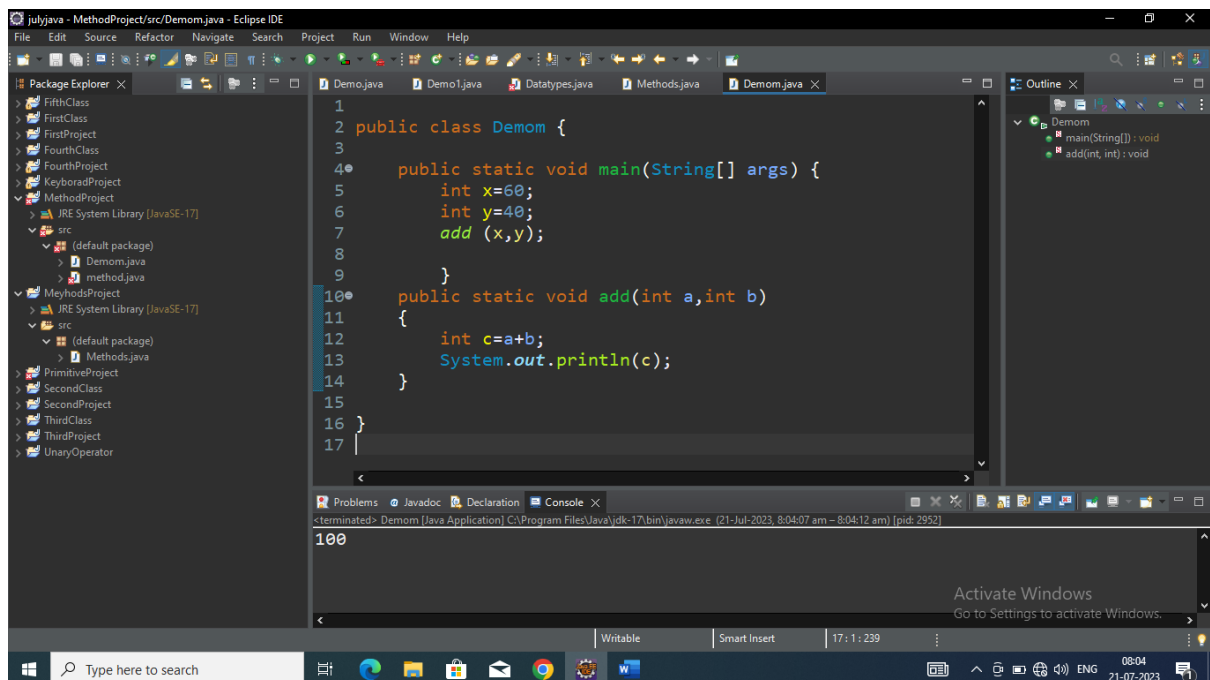
```
1 public class Methods {
2
3
4     public static void main(String[] args) {
5         int res= add();
6         System.out.println(res);
7     }
8     public static int add()
9     {
10        int a=10;
11        int b=20;
12        int c=a+b;
13        System.out.println(c);
14        return c;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

The 'Outline' view on the right shows the class 'Methods' with two methods: 'main(String[]): void' and 'add(): int'. The 'Console' view at the bottom shows the output of the program:

```
<terminated> Methods (1) [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (21-Jul-2023, 7:56:53 am - 7:56:54 am) [pid: 8376]
30
30
```

Type 3 Methods:

Method which would accept certain parameters and it would not return value.



The screenshot shows the Eclipse IDE with a Java project named 'MethodProject'. The 'src' folder contains a file named 'Demom.java'. The code in 'Demom.java' is as follows:

```
1 public class Demom {
2
3
4     public static void main(String[] args) {
5         int x=60;
6         int y=40;
7         add (x,y);
8     }
9
10    public static void add(int a,int b)
11    {
12        int c=a+b;
13        System.out.println(c);
14    }
15
16 }
17
```

The 'Outline' view on the right shows the class 'Demom' with two methods: 'main(String[]): void' and 'add(int, int): void'. The 'Console' view at the bottom shows the output of the program:

```
<terminated> Demom [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (21-Jul-2023, 8:04:07 am - 8:04:12 am) [pid: 2952]
100
```

Type 4 Methods:

Method which would accept certain parameters and it would return value.

