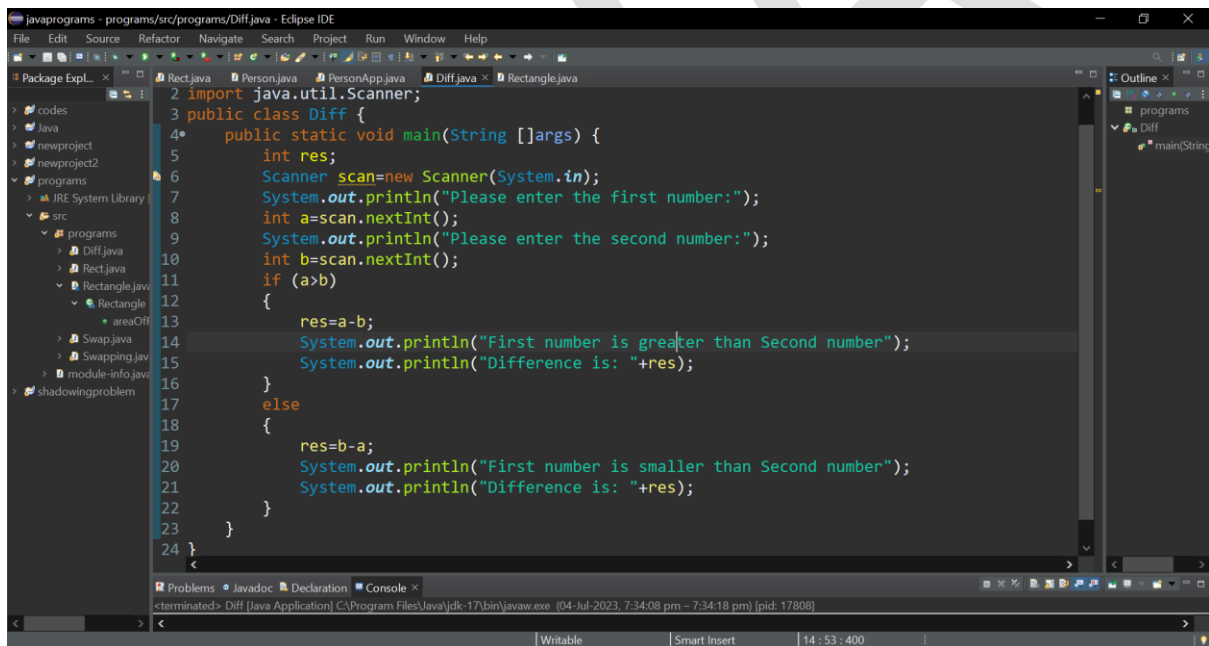


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KodNest CSR June 2023 Batch (online)

Assignment: Write a Java program to find difference of two numbers. If first number is greater than second number subtract second number with first number, else subtract first number with second number.

Screenshots



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

```
1 import java.util.Scanner;
2
3 public class Diff {
4     public static void main(String []args) {
5         int res;
6         Scanner scan=new Scanner(System.in);
7         System.out.println("Please enter the first number:");
8         int a=scan.nextInt();
9         System.out.println("Please enter the second number:");
10        int b=scan.nextInt();
11        if (a>b)
12        {
13            res=a-b;
14            System.out.println("First number is greater than Second number");
15            System.out.println("Difference is: "+res);
16        }
17        else
18        {
19            res=b-a;
20            System.out.println("First number is smaller than Second number");
21            System.out.println("Difference is: "+res);
22        }
23    }
24 }
```

The IDE's Package Explorer on the left shows the project structure, including the `Diff.java` file. The Console window at the bottom shows the output of the program, indicating it has terminated successfully.

```
javaprograms - programs/src/programs/Diff.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
<terminated> Diff [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (04-Jul-2023, 7:33:07 pm - 7:33:24 pm) [pid: 5496]
Please enter the first number:
20
Please enter the second number:
10
First number is greter than Second number
Difference is: 10

javaprograms - programs/src/programs/Diff.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console
<terminated> Diff [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (04-Jul-2023, 7:34:08 pm - 7:34:18 pm) [pid: 17808]
Please enter the first number:
10
Please enter the second number:
20
First number is smaller than Second number
Difference is: 10
```

Code:

```
import java.util.Scanner;

public class Diff {

    public static void main(String []args) {

        int res;

        Scanner scan=new Scanner(System.in);

        System.out.println("Please enter the first number:");

        int a=scan.nextInt();

        System.out.println("Please enter the second number:");
```

04-07-2023

```
int b=scan.nextInt();  
if (a>b)  
{  
    res=a-b;  
    System.out.println("First number is greater than Second number");  
    System.out.println("Difference is: "+res);  
}  
else  
{  
    res=b-a;  
    System.out.println("First number is smaller than Second number");  
    System.out.println("Difference is: "+res);  
}
```

Output

```
Please enter the first number:  
10  
Please enter the second number:  
20  
First number is smaller than Second number  
Difference is: 10  
  
Please enter the first number:  
20  
Please enter the second number:  
10  
First number is greater than Second number  
Difference is: 10
```