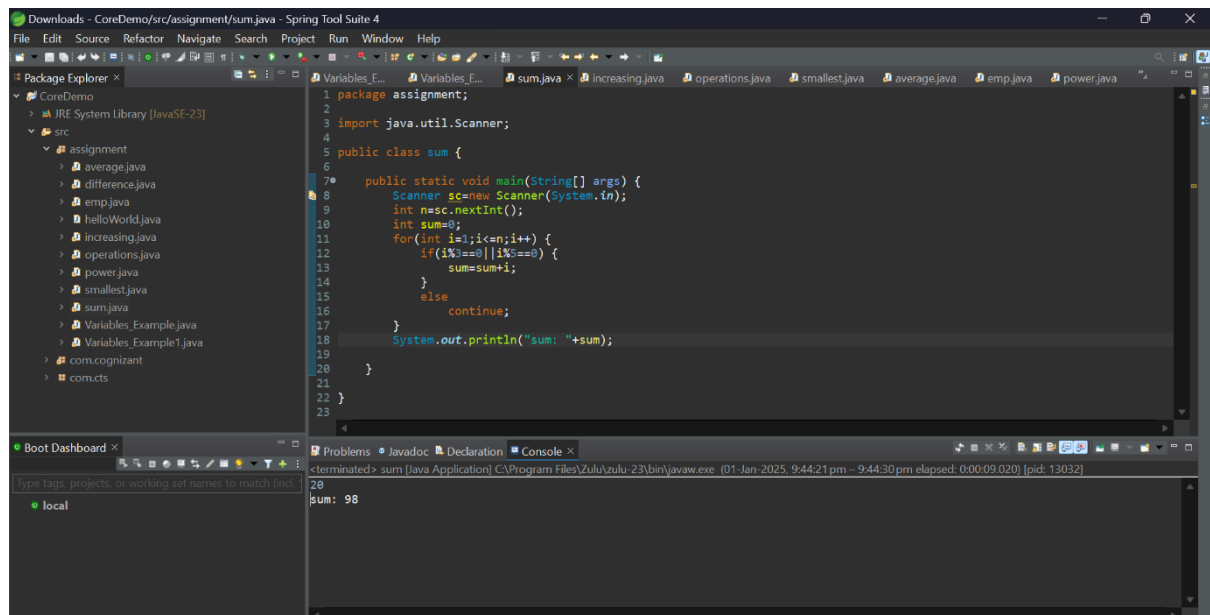Janhavi. M

Empid:2380370
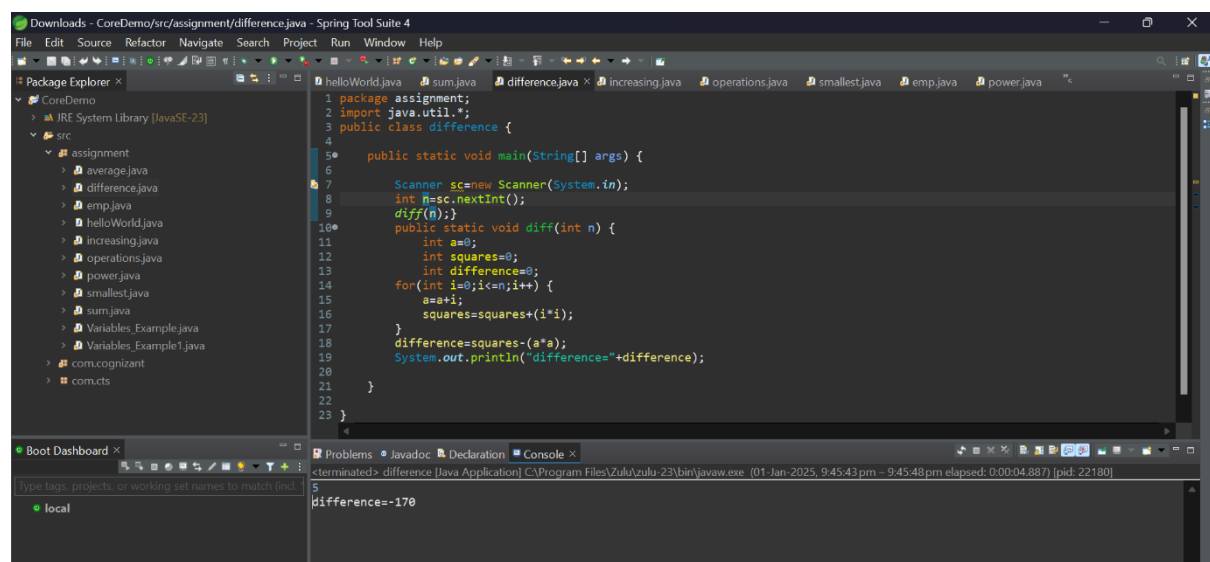
Exercise 1: Create a class with a method which can calculate the sum of first n natural numbers which are divisible by 3 or 5.
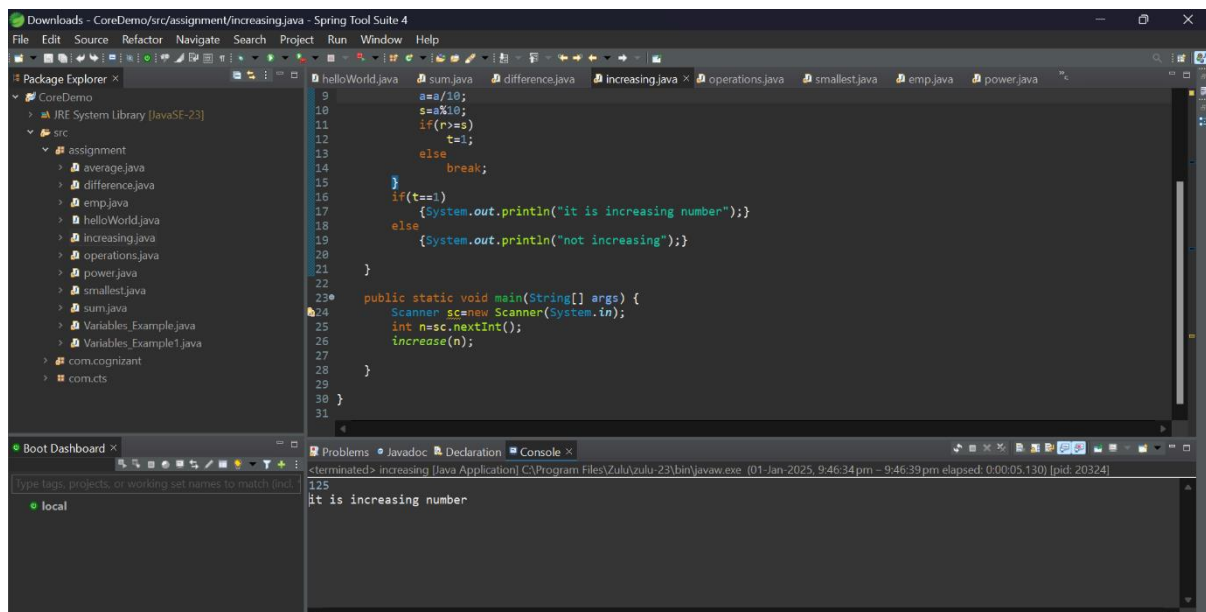

Exercise 2: Create a class with a method to find the difference between the sum of the squares and the square of the sum of the first n natural numbers.

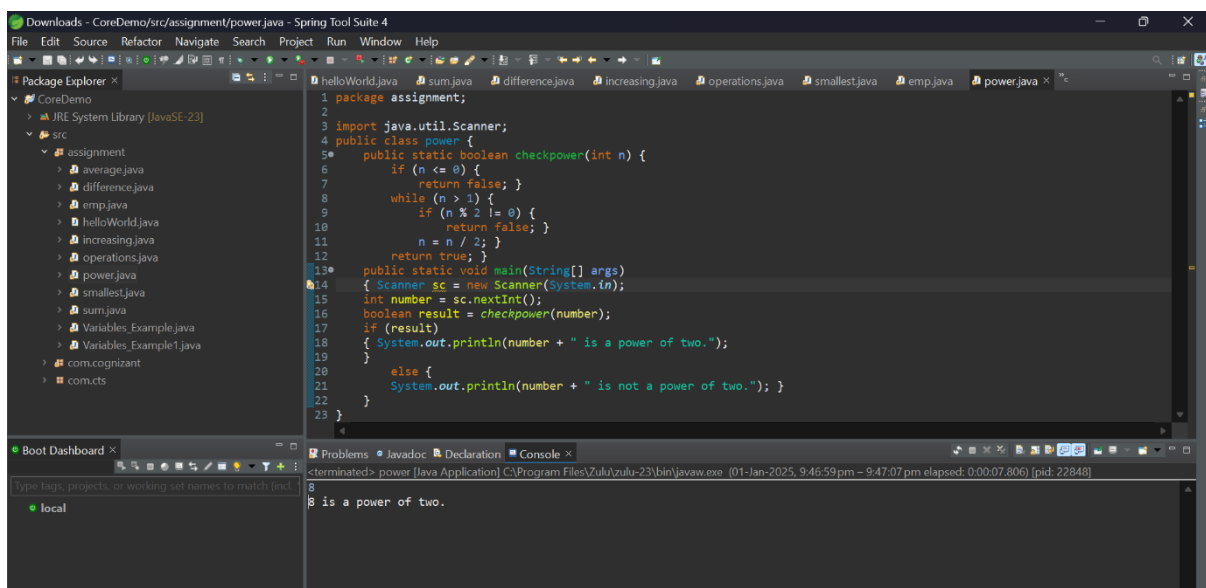## Exercise 3: Create a method to check if a number is an increasing number.


```
 9              a=a/10;
10              s=a%10;
11              if(r>=s)
12                  t=1;
13              else
14                  break;
15          }
16          if(t==1)
17              {System.out.println("it is increasing number");}
18          else
19              {System.out.println("not increasing");}
20      }
21  }
22
23•     public static void main(String[] args) {
24          Scanner sc=new Scanner(System.in);
25          int n=sc.nextInt();
26          increase(n);
27
28      }
29
30  }
31
```

```
<terminated> increasing [Java Application] C:\Program Files\Zulu\zulu-23\bin\javaw.exe (01-Jan-2025, 9:46:34 pm – 9:46:39 pm elapsed: 0:00:05.130) [pid: 20324]
125
it is increasing number
```
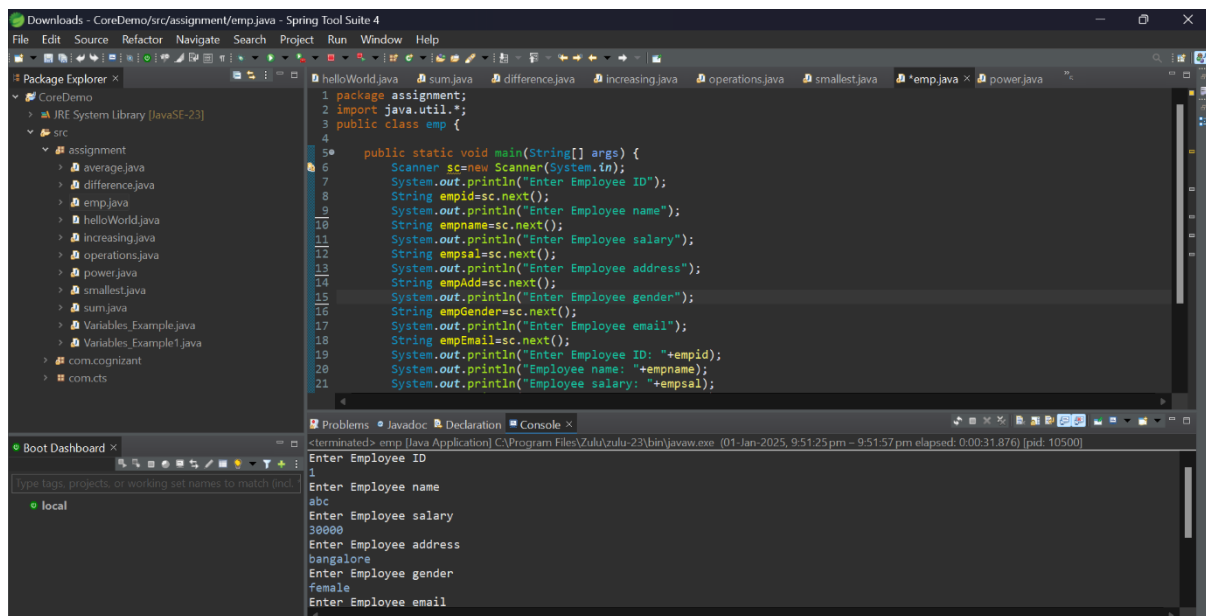
Exercise 4: Create a method to check if a number is a power of two or not.


```
 1  package assignment;
 2
 3  import java.util.Scanner;
 4  public class power {
 5•     public static boolean checkpower(int n) {
 6          if (n <= 0) {
 7              return false; }
 8          while (n > 1) {
 9              if (n % 2 != 0) {
10                  return false; }
11              n = n / 2; }
12          return true; }
13•     public static void main(String[] args)
14      { Scanner sc = new Scanner(System.in);
15          int number = sc.nextInt();
16          boolean result = checkpower(number);
17          if (result)
18          { System.out.println(number + " is a power of two.");
19          }
20          else {
21              System.out.println(number + " is not a power of two."); }
22      }
23  }
```

```
<terminated> power [Java Application] C:\Program Files\Zulu\zulu-23\bin\javaw.exe (01-Jan-2025, 9:46:59 pm – 9:47:07 pm elapsed: 0:00:07.806) [pid: 22848]
8
8 is a power of two.
```

Exercise 5:Take Employee Info like empid, empname, empsal, empAdd, empGender, empEmail and display .

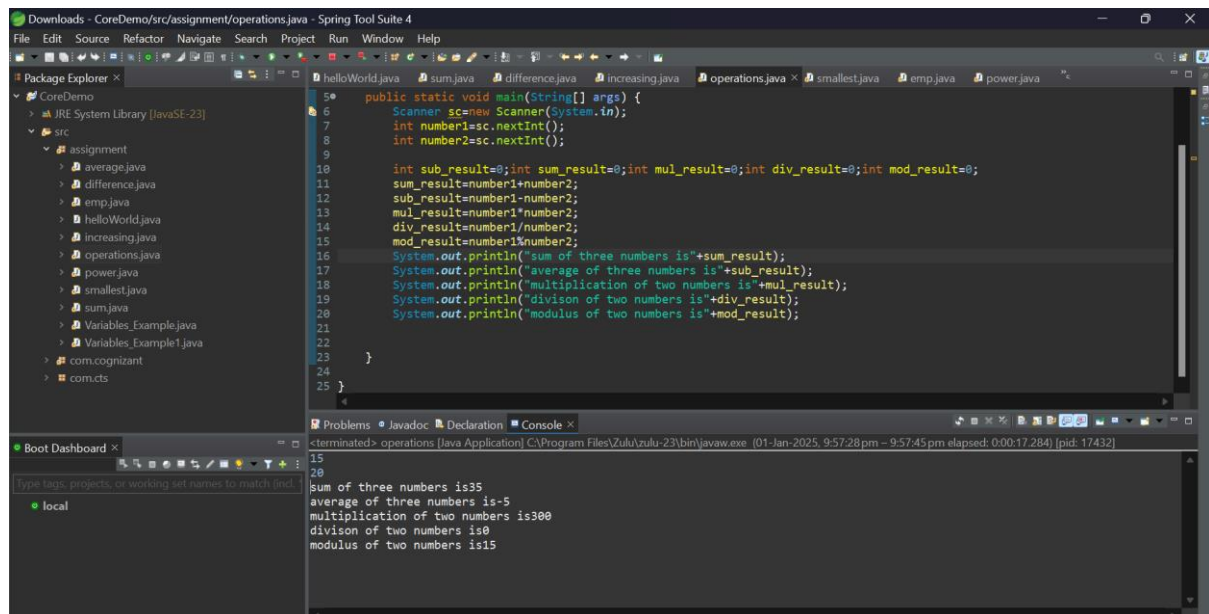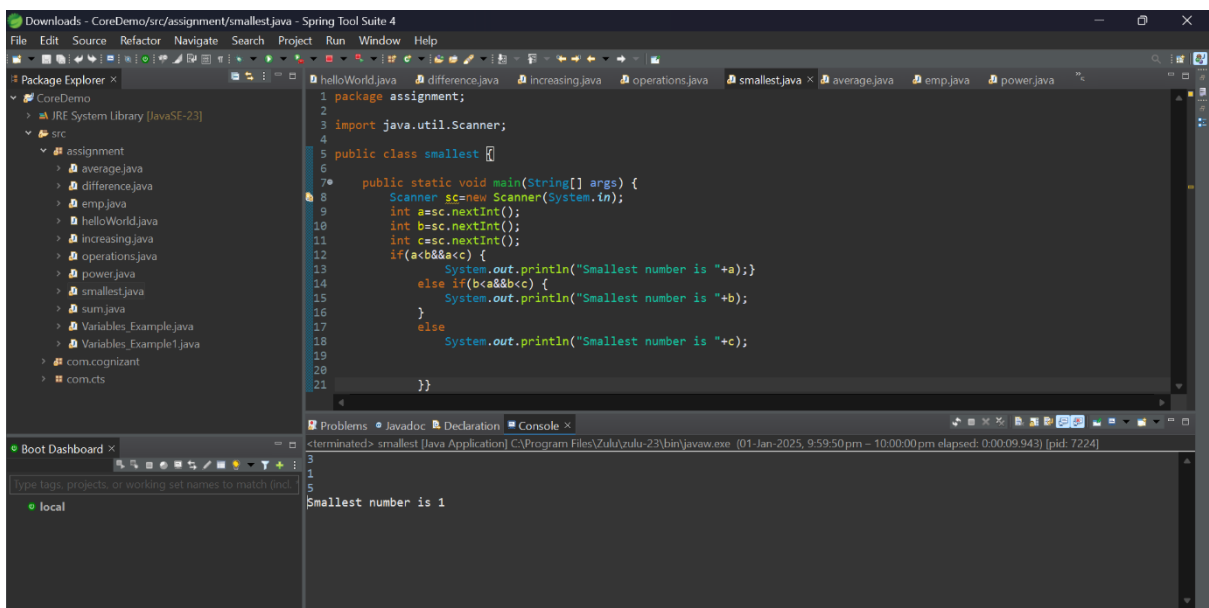Exercise 6: Write a Java program to print the sum (addition), multiply, subtract, divide and remainder of two numbers

Exercise 7: Write a Java method to find the smallest number among three numbers.

Exercise 8: Write a Java method to compute the average of three numbers.

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helloWorld.java   difference.java   increasing.java   operations.java   smallest.java   average.java ×   emp.java   power.java

```java
1  package assignment;
2  import java.util.*;
3  public class average {
4      public static void main(String[] args) {
5          Scanner sc=new Scanner(System.in);
6          int number1=sc.nextInt();
7          int number2=sc.nextInt();
8          int number3=sc.nextInt();
9          int sum_result=0;
10         float average=0.0f;
11         sum_result=number1+number2+number3;
12         average=sum_result/3;
13         System.out.println("average of three numbers is"+average);
14     }
15
16 }
17
```

Problems   Javadoc   Declaration   Console ×

<terminated> average [Java Application] C:\Program Files\Zulu\zulu-23\bin\javaw.exe (01-Jan-2025, 9:58:25 pm – 9:58:35 pm elapsed: 0:00:10.008) [pid: 3532]

```
20
30
20
average of three numbers is23.0
```

Boot Dashboard ×

Type tags, projects, or working set names to match (incl.)

 local