```
<terminated> Square_Differences [Java Application] C\Users\2380179\Downloads\sts-4.27.0.RELEASE\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_21
Enter the Number:
  3 import java.util.Scanner;
                                            The difference between the sum of the Squares of the first n natural numbers and the Square of their sum is: -25164150
  5 public class Square_Differences {
       public static void main(String[] args) {
           Scanner sc=new Scanner(System.in);
System.out.println("Enter the Number
          int number=sc.nextInt();
System.out.println("The difference between the sum of the Squares of the first n natural numbers and the Square of their sum is: "+(calculateDifference(num
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       public static int calculateDifference(int number)
          int sumOfSquares=0,sum=0,result=0;
for(int i=1;i<=number;i++)</pre>
              sumOfSquares=sumOfSquares+(i*i);
          result=sumOfSquares-(sum*sum);
return result;
 23
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25
1 package Assignment;
                                                       Enter the Number:
   3 import java.util.Scanner;
                                                       14679 is an increasing number
  5 public class Increasing_Number {
         public static void main(String[] args) {
  8
             Scanner sc=new Scanner(System.in):
              System.out.println("Enter the Number:");
             int number=14679;
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 11
              boolean result=checkNumber(number);
              if(result)
 13
             {
                  System.out.println(number+" is an increasing number");
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              else {
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                  System.out.println(number+" is not an increasing number");
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 21<sup>©</sup>
         public static boolean checkNumber(int number)
              while(number>0)
 24
 25
                  int number1=number%10;
 26
                  number/=10:
                  int number2=number%10;
 28
 29
                  if(number1<number2)</pre>
 30
                      return false;
 32
                  }
 33
 34
              return true;
         }
 36
import java.util.Scanner;
                                                                                                                     8 is a Power of 2
 5 public class Check_Number {
      public static void main(String[] args) {
          Scanner sc=new Scanner(System.in);
          Scanner scanew Scanner(System.in);
System.out.println("Enter the Number: "
int number=sc.nextInt();
Check_Number obj=new Check Number();
boolean result=obj.checkNumber(number);
if(result)
              System.out.println(number+" is a Power of 2");
          else {
              System.out.println(number+" is not a Power of 2");
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          }
      f
public boolean checkNumber(int number)
{
          int i=1,res=0;
while(true)
{
              int j=0,sum=1;
while(j<i)</pre>
                 sum*=2;
                 j++;
32
33
              if(sum>=number)
                  res=sum:
```

```
② Square_Differences.java ② Increasing_Number.java ② Check_Number.java ② Employee_Info.java × ② Operations.java ③ Find_Smallest_t ② Problems ◎ Javadoc ③ Declaration □ Console × ignment:
      1 package Assignment;
                                                                                                                                                                                                                                                                                                                                                                  <terminated > Employee_Info [Java Application] C:\Users\;
Enter the Employee Id:
          import java.util.Scanner;
                                                                                                                                                                                                                                                                                                                                                                  2380179
Enter the Employee Name:
          public class Employee_Info {
                                                                                                                                                                                                                                                                                                                                                                  Wahid
Enter the Employee's Salary:
                       public static void main(String[] args) {
                               Scanner sc=new Scanner(System.in);
System.out.println("Enter the Employee Id: ");
int empId=sc.nextInt();
sc.nextLine();
System.out.println("Enter the Employee Name: ");
String empName=sc.nextLine();
System.out.println("Enter the Employee's Salary: ");
double empSalary=sc.nextDouble();
sc.nextLine();
System.out.println("Enter the Employee Address: ");
String empAdd=sc.nextLine();
System.out.println("Enter the Employee Gender (M/F): ");
char empGender=sc.next().charAt(0);
sc.nextLine();
System.out.println("Enter the Employee's Email: ");
String email=sc.nextLine();
                                                                                                                                                                                                                                                                                                                                                                  Enter the Employee Address:
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                                                                                                                                                                                                                                                                                                                                                                 Enter the Employee Gender (M/F):
                                                                                                                                                                                                                                                                                                                                                                Enter the Employee's Email:
                                                                                                                                                                                                                                                                                                                                                                Employee's Id is: 2380179
Employee's Name is: WAHID
Employee's Salary is: 100000.0
Employee's Address is: Hyd
Employee's Gender is:
Employee's Email is: wahid@gmail.com
                                 }
 5 public class Operations {
                                                                                                                                                                                                                                                                                                                                                                    Enter the Second Number:
                                                                                                                                                                                                                                                                                                                                                                   The Addition Of 2 Numbers is: 101
The Addition Of 2 Numbers is: -99
The Addition Of 2 Numbers is: 100
The Addition Of 2 Numbers is: 100
The Addition Of 2 Numbers is: 0
                      public static void main(String[] args) {
                                Scanner sc=new Scanner(System.in);
System.out.println("Enter the First Number:");
int numberl=sc.nextInt();
System.out.println("Enter the Second Number:");
int number2=sc.nextInt();
                                  int sum=number1+number2;
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                                 int sub=number1-number2;
int mul=number1*number2;
int div=number1/number2;
int modulos=number1%number2;
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                                 System.out.println("The Addition Of 2 Numbers is: "+sum);
System.out.println("The Addition Of 2 Numbers is: "+sub);
System.out.println("The Addition Of 2 Numbers is: "+mul);
System.out.println("The Addition Of 2 Numbers is: "+div);
System.out.println("The Addition Of 2 Numbers is: "+modulos);
                       }
import java.util.Scanner;
                                                                                                                                                                                                                                                                                                                                                                       Enter the First Number:
    public class Find Smallest Number {
6*    public static void main(String[] args) {
7         Scanner Scenew Scanner(System.in);
8         System.out.println("Enter the First Number:");
10         System.out.println("Enter the Second Number:");
11         int number!=sc.nextInt();
12         System.out.println("Enter the Second Number:");
13         int number3=sc.nextInt();
14         int number3=sc.nextInt();
15         int number3=sc.nextInt();
16         int number3=sc.nextInt();
17         int number3=sc.nextInt();
18         int number3=sc.nextInt();
19         int number3=sc.nextInt();
10         int number3=sc.nextInt();
11         int number3=sc.nextInt();
11         int number3=sc.nextInt();
12         int number3=sc.nextInt();
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14         int number3=sc.nextInt();
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16         int number3=sc.nextInt();
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16         int number3=sc.nextInt();
17         int number3=sc.nextInt();
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19         int number3=sc.nextInt();
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14         int number3=sc.nextInt();
15         int number3=sc.nextInt();
16         int number3=sc.nextInt();
17         int number3=sc.nextInt();
18         int number3=sc.nextInt();
19         int number3=sc.nextInt();
10         int number3=sc.nextInt();
                                                                                                                                                                                                                                                                                                                                                                       Enter the Second Number:
                                                                                                                                                                                                                                                                                                                                                                       Enter the Third Number:
                                                                                                                                                                                                                                                                                                                                                                       The Smallest Value is: 1.0
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                                  float result=findSmallestNumber(number1,number2,number3);
System.out.printf("The Smallest Value is: %.1f",result);
                      , public static float findSmallestNumber(int number1, int number2,int number3) {
                                if((number1<number2) && (number1<number3))</pre>
                                   else if((number1>number2) && (number2<number3))
                                            return number2;
                                  }
else {
   29
30
                                             return number3:
                               }
  31
32 }
                    }
```

```
D Natural Num.java D Square_Differences.java D Increasing_Number.java D Check_Number.java D Employee_Info.java D Operations.java D Find_Smallest | E Problems Declaration D Console × package Assignment;

3 import java.util.Scanner;

D Check_Number.java D Employee_Info.java D Employee_Info.java D Employee_Info.java D Check_Number.java D Employee_Info.java D Check_Number.java D Check_N
       public class Average Numbers {
   public static void main(String[] args) {
        Scanner scenew Scanner(System.in);
        System.out.println("enter the First Number:");
        int number1=sc.nextInt();
        System.out.println("Enter the Second Number:");
        int number2=sc.nextInt();
        System.out.println("Enter the Third Number:");
        int number3=sc.nextInt();
}
                                                                                                                                                                                                                                                                                                                                                                                                                                              Enter the Second Number:
                                                                                                                                                                                                                                                                                                                                                                                                                                             Enter the Third Number:
                                                                                                                                                                                                                                                                                                                                                                                                                                              The Average of 3 numbers is: 23.00
                                          Average_Numbers obj=new Average_Numbers();
double result=obj.averageNumber(number1,number2,number3);
System.out.printf("The Average of 3 numbers is: %.2f",result);
                            public double averageNumber(int number1, int number2,int number3)
{
                                        return (number1+number2+number3)/3.0;
2 package Assignment;
                                                                                                                                                                                                                                                                                                                                                              <terminated> Natural Num [Java Application] C:\Users\2380179\Downloads\sts-4.27.0.RI Enter the number:
          4 import java.util.Scanner;
                                                                                                                                                                                                                                                                                                                                                               The sum of Natural Number which is Divisible by 3 or 5 is: 2418
       5

5

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Scanner scenew Scanner(System.in);

9

System.out.println("Enter the number: ");

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System.out.println("The sum of Natural Number which is Divisible by 3 or 5 is: "+result);

14
                             }
public int calculateSum(int number)
{
                                       int sum=0;
for(int i=1;i<=number;i++)
{
    if(i%3=0 || i%5=0)
    {
        sum+=i;
    }
}</pre>
                                         }
return sum;
```