hello.java × reverse_string.java × even_odd.java × factorial.java × armstrong.java × factor.java ×

```java
public class even_odd {
    public static void main(String[] args) {
        System.out.println("Enter a number");
        Scanner input= new Scanner (System.in);
        int n= input.nextInt();
        if (n%2==0){
        System.out.println("The number is even");
        }
        else{
            System.out.println("The number is odd");
        }
    }
}
```

Run: even_odd ×

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=59147:C:\U:
Enter a number

67
The number is odd

Process finished with exit code 0
```

hh › src › factorial › main

hello.java   reverse_string.java   even_odd.java   factorial.java   armstrong.java   factor.java

```java
import java.util.Scanner;
public class factorial {
    public static void main(String[] args) {
        System.out.println("Enter a number");
        Scanner input = new Scanner(System.in);
        int n = input.nextInt();
        int fact=1;
        int i=1;
        while(i<=n){
            fact=fact*i;
            i++;
        }
        System.out.println("The Factorial of the entered number is " +fact);
    }
}
```

Run: factorial

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=59277:C:\U
Enter a number
9
The Factorial of the entered number is 362880

Process finished with exit code 0
```

hello.java ×   reverse_string.java ×   even_odd.java ×   factorial.java ×   area.java ×   armstrong.java ×   factor.java ×

```java
import java.util.Scanner;
public class area {
    public static void main(String[] args) {
        System.out.println("To calculate area of Square \nEnter the side of square ");
        Scanner input = new Scanner(System.in);
        int s = input.nextInt();
        System.out.println("Area of square is : " + s*s);


        System.out.println("To calculate area of Triangle \nEnter the base and height of a triangle ");
        float h = input.nextFloat();
        float b = input.nextFloat();
        System.out.println("Area of Triangle is : " + (b*h)/2);

        System.out.println("To calculate area of Rectangle \nEnter the length and width of a rectangle ");
        float l = input.nextFloat();
        float w = input.nextFloat();
        System.out.println("Area of Triangle is : " + l*w);


    }
}
```

Run: area ×

```java
15          System.out.println("To calculate area of Rectangle \nEnter the length and width of a rectangle ");
16          float l = input.nextFloat();
17          float w = input.nextFloat();
18          System.out.println("Area of Triangle is : " + l*w);
19
20      }
21  }
```

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=63967:C:\U
To calculate area of Square
Enter the side of square
7
Area of square is : 49
To calculate area of Triangle
Enter the base and height of a triangle
8
3.6
Area of Triangle is : 14.4
To calculate area of Rectangle
Enter the length and width of a rectangle
5
2.8
Area of Triangle is : 14.0

Process finished with exit code 0
```

hello.java ×   reverse_string.java ×   even_odd.java ×   factorial.java ×   area.java ×   smallest_number.java ×   armstrong.java ×   factor.java ×

```java
1    import java.util.Scanner;
2
3    public class smallest_number {
4        public static void main(String[] args) {
5            System.out.println("Enter 3 numbers");
6            Scanner input = new Scanner(System.in);
7            int n = input.nextInt();
8            int p = input.nextInt();
9            int q = input.nextInt();
10
11           if(n<p && p<q){
12               System.out.println(n + " is the smallest number");
13           }
14           else if (p<n && p<q) {
15               System.out.println(p + " is the smallest number");
16           }
17           else {
18               System.out.println(q + " is the smallest number");
19           }
```

Run: smallest_number ×   smallest_number ×

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=54309:C:\U
Enter 3 numbers
67
900
34
34 is the smallest number
```

Hide Shift+Escape

hh) src) leap_year) main

hello.java × reverse_string.java × even_odd.java × factorial.java × area.java × smallest_number.java × leap_year.java × armstrong.java × factor.java ×

```java
public class leap_year {
    public static void main(String[] args) {
            System.out.println("Enter a number");
            Scanner input= new Scanner (System.in);
            int n= input.nextInt();
        if (n % 4 == 0)
            System.out.println(n + " is a leap year.");
        else
            System.out.println(n + " is not a leap year.");

    }
}
```

Run: smallest_number × leap_year ×

```
Enter a number
2004
2004 is a leap year.

Process finished with exit code 0
```

hh ⟩ src ⟩ sum_array   sum_array ▾ ▶ ▼ 🐞 ▣ ▣ Q 🟠 ▶

 hello.java ×   smallest_number.java ×   sum_array.java ×   factor.java ×

```java
1    public class sum_array {
2        public static void main(String[] args) {
3            int [] array = {45,89,73,72,22,93};
4            int sum =0;
5            for (int i=0; i<6; i++){
6                sum = sum+array[i];
7            }
8            System.out.println(" The Sum of elements of array is " +sum);
9        }
10   }
11
```

Run: smallest_number ×   sum_array ×   ⚙ —

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=50760:C:\U
 The Sum of elements of array is 394

Process finished with exit code 0
```

hh ⟩ src ⟩ average_array ⟩ main   average_array ▼

hello.java ×   smallest_number.java ×   sum_array.java ×   average_array.java ×   lowest_array.java ×   factor.java ×

```java
public class average_array {
    public static void main(String[] args) {
        int a[] ={56,99,78,97,45};
        int sum =0;
        int average;
        for (int i=0; i<a.length; i++)
        {
            sum = (sum + a[i]);
        }
        average = sum/a.length;
        System.out.println("The average of the given array is "+ average);
    }
}
```

Run: average_array ×

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=51273:C:\User
The average of the given array is 75

Process finished with exit code 0
```

hh ⟩ src ⟩ lowest_array ⟩ main

hello.java ×   smallest_number.java ×   sum_array.java ×   average_array.java ×   lowest_array.java ×   factor.java ×

```java
public class lowest_array {
    public static void main(String[] args) {
        int [] a={45,39,90,78,65};
        int i=0;
        int lowest=a[0];

        for( i=0; i<a.length;i++){
            if (lowest>a[i])
            {
                lowest = a[i];
            }
        }
        System.out.println("The lowest number in the array is "+lowest);
    }
}
```

Run: lowest_array ×

```
"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Users\HARSHITA\Downloads\IntelliJ IDEA Community Edition 2021.2.3\lib\idea_rt.jar=51247:C:\User
The lowest number in the array is 39

Process finished with exit code 0
```