#### **Assessment -5**

1. Write a program to swap two numbers in Java.

Code: https://codeshare.io/xv4okR

```
1 package swaapp;
2 import java.util.Scanner;
3 public class swapp {
4 public static void main(String args[])
5 {
6     Scanner scan = new Scanner(System.in);
7     int a=scan.nextInt();
9     scan.close();
10     System.out.println("a="+a+" b="+b);
11     a=a^b;
12     b=a^b;
13     a=a^b;
14
15     System.out.println("swap:a="+a+" b="+b);
16 }
17 }
18

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<terminated> swapp [Java Application] CAProgram Files\Java\jdk-19\bin\javaw.exe (Mar 1, 2023, 3:48:05 PM - 3:48:11 PM) [pid: 15532]
6
7
|a=6 b=7
|swap:a=7 b=6
```

## 2. Write a program to print all the elements of the Fibonacci series.

Code: https://codeshare.io/3AbBvz

#### 3. Check if a given number is palindrome or not.

Code: https://codeshare.io/WdEJAy

```
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** Seanner scan = new Scanner (System.in);

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```

## 4. Write a program to find whether a number is an Armstrong number or not.

https://codeshare.io/oQ3qwL

```
In digit = number % 10;

sum += Math.pow(digit, digits);

number /= 10;

if (originalNumber == sum) {

System.out.println(originalNumber + " is an Armstrong number.");

} else {

System.out.println(originalNumber + " is not an Armstrong number.");

}

console();

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<terminated > armstrong [Java Application] CAProgram Files/Java/jdk-19\bin\javaw.exe (Mar 1, 2023, 3:56:46 PM - 3:56:48 PM) [pid: 17056]

Enter a number: 77

77 is not an Armstrong number.
```

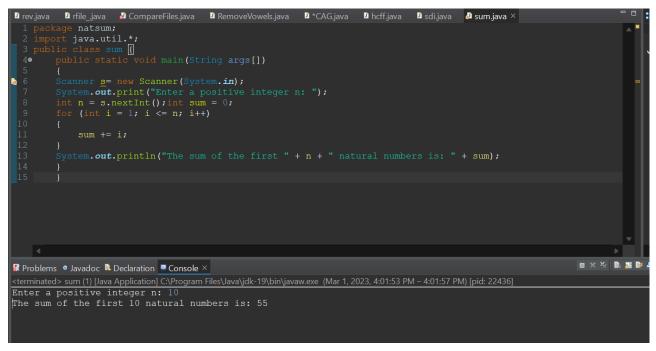
#### 5. Find the GCD of two numbers.

https://codeshare.io/j0dJog

```
Drevjava Drifle_java D CompareFiles.java D RemoveVowels.java D *CAG.java D *CA
```

### 6. Write a program to find the sum of n natural numbers.

https://codeshare.io/BA7BDm



### 7. Write a program to find the lcm of two numbers.

https://codeshare.io/X8EXnn

```
| Drev.java | Drfile_java | DremoveVowels.java | Dr
```

### 8. Calculate the sum of digits of a given number.

https://codeshare.io/lonO7Z

```
| Prevjava | Drille_java | DrompareFiles.java | Dro
```

#### 9. Write a program to reverse a string.

https://codeshare.io/DZEJ3W

# 10. Write a code to print all the first n prime numbers where n will be given as input.

https://codeshare.io/Od77