

Assignment-5

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

```
Console ×
<terminated> swaptwonumbers [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204
a = 10
b = 5
```

<https://codeshare.io/km8gBA>

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

```
Console ×
<terminated> fibonacciseries [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204
Fibonacci Series:
0 1 1 2 3 5 8 13 21 34
```

<https://codeshare.io/WdE94b>

3. Check if a given number is palindrome or not

```
Console ×
<terminated> palindrome [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204
12021is palindrome
```

<https://codeshare.io/6pkrLk>

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

```
Console ×
<terminated> ArmstrongNumberChecker [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204
Enter a positive integer: 2
2 is an Armstrong number.
```

<https://codeshare.io/eV6yW9>

5. Find the GCD of two numbers.

```
Console ×
<terminated> GCDCalculator [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204
Enter the first positive integer: 2
Enter the second positive integer: 3
The GCD of 2 and 3 is 1
```

<https://codeshare.io/j0dWYD>

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

```
Console ×
<terminated> SumOfNaturals [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v2023
Enter a positive integer n: 55
The sum of first 55 natural numbers is 1540
```

<https://codeshare.io/LwEMpe>

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

```
Console ×
<terminated> LcmCalculator [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v202302
Enter the first number: 1
Enter the second number: 4
The LCM of 1 and 4 is 4
```

<https://codeshare.io/ZJEMdX>

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

```
Console ×
<terminated> DigitsSumCalculator [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v
Enter a number: 44
The sum of digits of 44 is 8
```

<https://codeshare.io/QnEMJm>

9. Write a program to reverse a string.

```
Console ×
<terminated> StringReverser [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v202302
Enter a string: syed
Reversed string: days
```

<https://codeshare.io/9OL9qB>

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

```
Console ×
<terminated> Prime [Java Application] C:\Users\riyazsy\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1725
Enter the number of primes to print: 3
2 3 5
```

<https://codeshare.io/VZEMM9>