Assignment-05

1. Write a program to swap two numbers in Java. Hint: Two ways to do this -with the third variable and without the third variable.

https://codeshare.io/gL9znV

```
<terminated> swap [Java Application] C:\Users\shettma\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.
Enter the value of X and Y
45
8
before swapping numbers: 45 8
After swapping: 8 45
```

2. Write a program to print all the elements of the Fibonacci series. Hint: A Fibonacci series is given by Fib(n)=Fib(n-1)+Fib(n-2)

https://codeshare.io/OdEVDW

```
<terminated> fibonocci [Java Application] C:\Users\shettma\.p2\pool\plugins\org.eclipse,
0 1 1 2 3 5 8 13 21 34
```

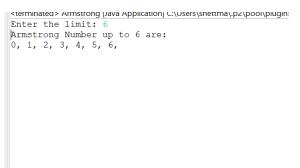
3. Check if a given number is palindrome or not. Hint: A palindrome is a number which when reversed gives the same number. We find the reverse and check whether it is equal to the given number or not.

https://codeshare.io/eV6Xg4

<terminated> palindrome [Java Application] C:\Users\shettma\.p2\pool\plugins\org
palindrome number

4. Write a program to find whether a number is an Armstrong number or not. Hint: Armstrong number – Sum of the cubes of its digit is equal to the number itself. E.g-153

https://codeshare.io/K8Epy7



5. Find the GCD of two numbers.

https://codeshare.io/dwQJ7D

<terminated> GCD [Java Application] C:\Users\shettma\.p2\pool\plugins\org.eclipse.jus
GCD of 12 and 8 is: 4

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

https://codeshare.io/nzod6Y

Sum of First 10 Natural Numbers is = 55

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

https://codeshare.io/bvOW4q

<terminated> LCM [Java Application] C:\Users\shettma\.p2\pool\plugins\org.eclipse.justj.openjdk.h
The LCM of 12 and 9 is 36.

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

https://codeshare.io/km89BY

<terminated> sum [Java Application] C:\Users\shettma\.p2\pool\plugins\org.eclipse.jus
The sum of digits: 28

9. Write a program to reverse a string.

https://codeshare.io/mpbKzk

<trmminated> reverse [Java Application] C:\Users\shettma\.p2\pool\plugins\org.edlip:
Original string: Dream big
Reverse of given string: gib maerD

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

https://codeshare.io/loneXg

<terminated> Primenum [Java Application] C:\Users\shettma\.p2\pool\plugins\org.e
3 is prime number