

1. Write a program to swap two numbers in Java

<https://codeshare.io/eV6YO9>

```
Swapping.java x
1 package com.tecnotree.swappingprogram;
2
3 public class Swapping {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int x=10;
8         int y=23;
9
10
11         /* int z;
12         z=x;
13         x=y;
14         y=z;
15         System.out.println("x= "+x);
16         System.out.println("y= "+y); */
17
18         System.out.println("x= "+y);
19         System.out.println("y= "+x);
20     }
21 }
22
23
24
```

Problems Javadoc Declaration Console x

<terminated> Swapping [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 11:41:47 am – 11:41:48 am)

x= 23  
y= 10

Writable Smart Insert 1 : 1 : 0

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

<https://codeshare.io/0gvB1e>

```
Fibonacci.java x
1 package com.tecnotree.fibonacciprogram;
2
3 public class Fibonacci {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int n1=0,n2=1,i,n=10;
8         for(i=0;i<n;i++)
9         {
10             int n3=n1+n2;
11             System.out.println(""+n3);
12             n1=n2;
13             n2=n3;
14         }
15     }
16 }
17
18
```

Problems Javadoc Declaration Console x

<terminated> Fibonacci [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 11:41:47 am – 11:41:48 am)

1  
2  
3  
5  
8  
13  
21  
34  
55  
89

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

<https://codeshare.io/wnvKr7>

```
Palindrome.java ×
1 package com.tecnotree.palindromeprogram;
2
3 public class Palindrome {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int rem, n=123, rev=0;
8         while (n>0)
9         {
10             rem=n%10;
11             n=n/10;
12             rev=rev*10+rem;
13         }
14         System.out.println(rev);
15         if (n==rev)
16             System.out.println("Palindrome");
17         else
18             System.out.println("Not a Palindrome");
19     }
20 }
21
22
```

Problems Javadoc Declaration Console ×

<terminated> Palindrome [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 11:32:11)

Not a Palindrome

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

<https://codeshare.io/qPmzgk>

```
Strongarm.java ×
1 package com.tecnotree.strongarmprogram;
2 import java.util.Scanner;
3 public class Strongarm {
4
5     public static void main(String[] args) {
6
7
8
9         Scanner in = new Scanner(System.in);
10        System.out.print("Enter a number: ");
11        int num = in.nextInt();
12        int sum = 0, temp=num;
13        while (temp > 0) {
14            int digit = temp % 10;
15            sum += (digit * digit * digit);
16            temp /= 10;
17        }
18
19        if (num == sum)
20        {
21            System.out.println(num+" is an Armstrong number");
22        }
23        else
24        {
25            System.out.println(num+" is not an Armstrong number");
26        }
27    }
28 }
29
```

Problems Javadoc Declaration Console ×

<terminated> Strongarm [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 11:56:13 am – 11:56:19 am) [pid: 7404]

Enter a number: 572

572 is not an Armstrong number

5. Find the GCD of two numbers.

<https://codeshare.io/pqkOy0>

```
GCD.java ×
1 package com.tecnotree.gcdprogram;
2
3 public class GCD {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int n1=34,n2=12;
8         while(n1!=n2)
9         {
10            if(n1>n2)
11                n1=n1-n2;
12            else
13                n2=n2-n1;
14        }
15        System.out.printf("GCD of n1 and n2 is: " +n2);
16    }
17 }
18
19 }
20 |
```

```
Problems @ Javadoc Declaration Console ×
<terminated> Strongarm [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-
Enter a number: 572
572 is not an Armstrong number
```

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

<https://codeshare.io/eV6Ygr>

```
Sum.java ×
1 package com.tecnotree.sumprogram;
2
3 public class Sum {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         int i,n=10,sum=0;
8         for(i=1;i<=n;i++) {
9             sum=sum+i;
10        }
11        System.out.println("Sum="+sum);
12    }
13 }
14 }
15 |
```

```
Problems @ Javadoc Declaration Console ×
<terminated> Sum [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (2
Sum=55
```

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

<https://codeshare.io/wnvAdB>

```
LCM.java ×
1 package com.tecnotree.lcmprogram;
2 import java.util.Scanner;
3 public class LCM {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner in = new Scanner(System.in);
8         System.out.print("Enter the first number: ");
9         int num1 = in.nextInt();
10        System.out.print("Enter the second number: ");
11        int num2 = in.nextInt();
12
13        int lcm = num1;
14        while (lcm % num2 != 0) {
15            lcm += num1;
16        }
17
18        System.out.println("LCM of " + num1 + " and " + num2 + " is " + lcm);
19
20    }
21 }
22
23
24
```

Problems Javadoc Declaration Console ×

<terminated> LCM [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 12:23:55 pm – 12:24:05 pm) [pid: 9280]

Enter the first number: 12

Enter the second number: 45

LCM of 12 and 45 is 180

8. Calculate the sum of digits of a given number

<https://codeshare.io/dwQNwz>

```
SumofDigits.java ×
1
2 package com.tecnotree.sumofdigitsprogram;
3
4 public class SumofDigits {
5
6     public static void main(String[] args) {
7         // TODO Auto-generated method stub
8         int n=234, sum=0;
9         while(n!=0)
10        {
11            sum=sum+n%10;
12            n=n/10;
13        }
14        System.out.println(sum);
15    }
16 }
17
18
```

Problems Javadoc Declaration Console ×

<terminated> SumofDigits [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 12:23:55 pm – 12:24:05 pm) [pid: 9280]

9

## 9. Write a program to reverse a string

<https://codeshare.io/N3pJKm>

```
ReverseString.java ×
1 package com.tecnotree.revstrprogram;
2 import java.util.Scanner;
3 public class ReverseString {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner in = new Scanner(System.in);
8         System.out.println("Enter string :");
9         String inputString = in.nextLine();
10        String reversedString = "";
11        for (int i = inputString.length() - 1; i >= 0; i--) {
12            reversedString += inputString.charAt(i);
13        }
14        System.out.println("Reversed string: " + reversedString);
15    }
16 }
17
18
19
```

Problems Javadoc Declaration Console ×

<terminated> ReverseString [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 12:28:01)

Enter string :  
Rachana  
Reversed string: anahcaR

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

<https://codeshare.io/YLE8zM>

```
*PrimeNumber.java ×
1 package com.tecnotree.primenumberprogram;
2 import java.util.Scanner;
3 public class PrimeNumber {
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         Scanner in = new Scanner(System.in);
7         System.out.println("Enter value of n :");
8         int n = in.nextInt();
9
10        int cnt=0, num=2;
11
12        while (cnt < n) {
13            boolean isPrime = true;
14            for (int i = 2; i <= Math.sqrt(num); i++) {
15                if (num % i == 0) {
16                    isPrime = false;
17                    break;
18                }
19            }
20            if (isPrime) {
21                System.out.print( " " + num);
22                cnt++;
23            }
24            num++;
25        }
26    }
27 }
28
```

Problems Javadoc Declaration Console ×

<terminated> PrimeNumber (1) [Java Application] C:\Users\Mahadra\jdk-19\bin\javaw.exe (28-Feb-2023, 12:28:01)

Enter value of n :  
8  
2 3 5 7 11 13 17 19