**Assignment-1**

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| 1. | Write a java program that will display “This is my first Java Program”. |
| 2. | Write a java program that will print your name 10 times. (Hints: Use for Loop) |
| 3. | Write a Java program to test the number is prime or composite. |
| 4. | Write a java program that will take input as two +ve integers M and N where M<N.  a). The program will display the numbers between M and N, which are divisible by 3 and 5.  b). Count the numbers which are divisible by 3 and 5(between M and N), then add those numbers and display. |
| 5. | Write a java program that will count the number of primes between 37 and 129. |
| 6. | Write a java program that will compute GCD of two numbers. |
| 7. | Write a Java program that will evaluate the following exponential series. |
| 8. | Write a method that takes a number between 0 and 9 as an argument and prints on the screen “Number green bottles standing on the wall” (where Number is replaced by the word version of the number). If the numeric parameter is 1 then your method should print bottle rather than bottles. |
| 9. | If one looks at the square numbers and the differences between each adjacent pair of square numbers a pattern emerges.  squares: 0 1 4 9 16 25 36 49… differences: 1 3 5 7 9 11 13… Write a program to print out the square numbers, ten in a line, *without* using multiplication operator. |

**Assignment-2**

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| 1. | Write a java program that will search a number from an array of 10 numbers. |
| 2. | Write a java program that will sort an array of N inputted numbers. |
| 3. | Write a java program that will read array of N numbers, and it will remove the duplicate numbers (if any) and display the array. |
| 4. | Write a java program that will find the frequency of each element in an array. |
| 5. | Write a java program that will print the duplicate elements in an array. |
| 6. | Write a java program that will print the elements in reverse order. |
| 7. | Write a java program that will print the 2nd smallest number in an array. |
| 8. | Write a java program that will enter the elements for a 2D array and display the array elements. |
| 9. | Write a java program that will multiply two matrices and display the resultant matrix. |
| 10. | Write a java program that will find the transpose of a matrix. |
| 11. | Write a java program that will display lower triangular matrix. |
| 12. | Write a java program [to find the frequency of odd & even numbers in the given matrix](https://www.javatpoint.com/java-program-to-find-the-frequency-of-odd-and-even-numbers-in-the-given-matrix) |
| 13. | Write a java program to find the sum of each row and each column of a matrix |
| 14. | Write a java program that will check whether a given matrix is a sparse matrix or not. |