# Programs List Arrays:

1, How you will find missing number in an Integer Array of 1 to 100? (2 ways)

1, How you find Missing Numbers between 1 to 100?

2, First Non repeating Element in Array of integers? Need clarity

3, compare 2 Arrays in java?

4, Sort Arrays in java (2 ways)? Selection Sort and Bubble Sort

5, duplicate Elements in Array (3 ways)?

6, Program to find first duplicate (2 ways)?

7, Program to find max repeated element in Array

8, Program to find 2 repeating elements in Array? (2 ways)

9, Program to find first repeated Element in Array?

10, program to find last repeated Element in Array?

11, Program to find odd repeated elements in Array?

12, program to find pair elements whose sum is equal to k? (2 ways)

13, program to find largest and smallest number in a array?

14, program to find top 2 elements in Array?

15, program to remove duplicate from the Array? (2 ways)?

16, program to remove a given element in Array?

17, program to reverse an Array?

18, Program to merge an Array?

19, program to find common elements between 2 Arrays or 3 Arrays?

20, write a program for union? Doubt

21, Write a program for intersection? Doubt

# Programs Strings:

1. Write a java program to print duplicate characters from a string?

2. Write a java program to reverse a String?

3. Write a java program to reverse each word in the same place in a String?

4. Write a java program to reverse a word in a string

5. Write a java program to reverse a string and reverse a word

6. Program to check String is a palindrome**. [Radar]**

7. Java program to remove a given character [Gopikrishna: opikrishna]

8. Most repeated word in a paragraph or line

9. Program to remove White Spaces.

10. Program to find word count, character count in a String?

11. Swapping of 2 Strings without temp variable?

12. Program to count the words in a String?

13. Program to reverse a string preserving Spaces?

14. Program to sort the words in the Array.

15. Program to sort the characters in the Array

16. Program to find duplicate word and their occurrence?

17. Program to find each character count in a string?

18. Reverse a String using recursion?

19. Program to check String is Anagrams?

20. Program for rotation of string?

21. Program to find % of upper characters, lower characters and others.

22. Program to find longest substring?

23. Program to fins first repeated and first non-repeated letter in a string?

# Programs Patterns:

1. Write a program to print the below pattern

**1**

**1 2**

**1 2 3**

**1 2 3 4**

**1 2 3 4 5**

2. Write a program to print the below pattern

**1**

**2 2**

**3 3 3**

**4 4 4 4**

**5 5 5 5 5**

3. Write a program to print the below pattern

**1**

**1 2**

**1 2 3**

**1 2 3 4**

**1 2 3 4 5**

**1 2 3 4**

**1 2 3**

**1 2**

**1**

4. Write a program to print the below pattern

**1 2 3 4 5 6 7**

**1 2 3 4 5 6**

**1 2 3 4 5**

**1 2 3 4**

**1 2 3**

**1 2**

**1**

5. Write a program to print the below pattern

**7 6 5 4 3 2 1**

**7 6 5 4 3 2**

**7 6 5 4 3**

**7 6 5 4**

**7 6 5**

**7 6**

**7**

**6.** Write a program to print the below pattern

**6**

**6 5**

**6 5 4**

**6 5 4 3**

**6 5 4 3 2**

**6 5 4 3 2 1**

**7.** Write a program to print the below pattern

**7 6 5 4 3 2 1**

**6 5 4 3 2 1**

**5 4 3 2 1**

**4 3 2 1**

**3 2 1**

**2 1**

**1**

**8.** Write a program to print the below pattern

**1 2 3 4 5**

**1 2 3 4**

**1 2 3**

**1 2**

**1**

**1 2**

**1 2 3**

**1 2 3 4**

**1 2 3 4 5**

**9.** Write a program to print the below pattern

**1**

**2 1**

**3 2 1**

**4 3 2 1**

**5 4 3 2 1**

**6 5 4 3 2 1**

**7 6 5 4 3 2 1**

**10.** Write a program to print the below pattern

**1234567**

**234567**

**34567**

**4567**

**567**

**67**

**7**

**67**

**567**

**4567**

**34567**

**234567**

**1234567**

**11.** Write a program to print the below pattern

**1 2 3 4 5 6 7**

**2 3 4 5 6 7**

**3 4 5 6 7**

**4 5 6 7**

**5 6 7**

**6 7**

**7**

**6 7**

**5 6 7**

**4 5 6 7**

**3 4 5 6 7**

**2 3 4 5 6 7**

**1 2 3 4 5 6 7**

**12.** **Write a program to print the below pattern**

**1111111**

**1111122**

**1111333**

**1114444**

**1155555**

**1666666**

**7777777**

**13. Write a program to print the below pattern**

**0000000**

**0100000**

**0020000**

**0003000**

**0000400**

**0000050**

**0000006**

**14. Write a program to print the below pattern**

**1**

**2 5**

**3 6 8**

**4 7 9 10**

# General Programs

1. Program to find Even or Odd Numbers?

2. Program to Swap 2 Numbers?

3. Reverse of a Number?

4. Program to find Prime Number?

5. Program to find Armstrong Number?

6. Program to find Factorial of a Number?

7. Program to find Fibonacci series of Number?

8. Program to find palindrome Number?

9. Print 1 to 10 Numbers without loop?

# Programs on Collection Framework

1. Program on working with different object data and retrieving [stud and EMP]

2. Program on Arraylist

3. Program to add one collection data into another collection data [2 ways]

4. Program on creating sub Arraylist and swapping data.

5. Program to convert Array to Arraylist

6. Program to print data in forward and backward directions.

7. Program on hashset

8. Program on Map interface

9. Program to add one map data into another map [2 ways]

**Linked List Programs Implementation**

# SELENIUM FRAMEWORKS:

**1. Modular Framework.**

**2. Data Driven Framework.**

**3. Keyword driven Framework.**

**4. Hybrid Framework.**

**5. TDD Framework.**

**6. BDD Framework.**

**7. ATTD Framework.**

**8. POM Framework.**