PROGRAMMING QUESTIONS :

BASIC PROGRAMS:

1) WAP TO SWAP TWO VARIABLE WITH USING THIRD VARIABLE?

2)WAP TO SWAP TWO VARIBLES WITHOUT USING ANOTHER VARIABLE ?

3)WAP TO PRINT LARGEST OF TWO NUMBERS WITH THE HELP OF CONDITIONAL OPERATOR ?

4)WAP TO CHECK GIVEN NUMBER IS EVEN OR ODD ?

5)WAP TO CHECK WHETHER GIVEN NUMBER IS DIVISABL BY 7 OR NOT ?

6)WAP TO CHECK LARGEST OF THREE NUMBERS ?

7)WAP TO CHECK SMALLEST OF THREE NUMBERS ?

CONDITIONAL OPERATOR:

1)WAP TO PRINT LARGEST OF 5 NUMBERS ?

2)WAP TO PRINT SMALLEST OF 4 NUMBERS ?

3)WAP TO PRINT SMALLEST OF 7 NUMBERS ?

4)WAP TO PRINT LARGEST OF 7 NUMBER ?

Note : with using conditional operator

IF-ELSE:

1)WAP TO CHECK LARGEST OF TWO NUMBERS ?

2)WAP TO CHECK SMALLEST OF TWO NUMBERS ?

3)WAP TO CHECK GIVEN NUMBER IS EVEN OR ODD ?

4)WAP TO CHECK THE LAST DIGIT IS 5 OR NOT ?

5)WAP TO PRINT LAST DIGIT OF THE NUMBER ?

6)WAP TO CHECK WHETHER A CHARACTER IS ALPHABET OR NOT ?

7)WAP TO CHACK WHETHER A GIVEN CHARACTER IS A SPECIAL CHARACTER OR NOT ?

8)WAP TO CHECK WHETHER THE ASCII VALUE OF CHARACTER IS EVEN OR ODD ?

9)WAP TO PRINT LARGEST OF 5 NUMBERS ?

10)WAP TO PRINT SMALLEST OF 5 NUMBERS ?

11)WAP TO PRINT MIDDLE NUMBER FROM 3 NUMBERS ?

12)WAP TO PRINT ASCENDING ORDER OF THREE NUMBERS ?

SWITCH:

1)WAP TO CHECK GIVEN CHARACTER VOWEL OR NOT ?

2)WAP TO PRINT DAY NAME BY READING THE NUMBER OF THE DAY ?

EX : I/P=>3   O/P=>TUESDAY

    I/P=>7   O/P=>SATURDAY

    I/P=>5   O/P=>THURSDAY

3)WAP TO PRINT NUMBER OF THE DAY BY READING THE NAME OF THE DAY ?

EX : I/P=>TUESDAY   O/P=>3

    I/P=>SATURDAY   O/P=>7

4)WAP TO PRINT THE DAY IS WORKING DAY OR NOT BY READING NUMBER OF THE DAY?

EX: I/P=>03   O/P=>TUESDAY IS A WORKING DAY

    I/P=>01   O/P=>SUNDAY IS NOT A WORKING DAY

5)WAP TO PRINT REMAING ALL DAYS BY READING A DAY NUMBER ?

EX: I/P=> 2   O/P=>M,T,W,T,F,S

    I/P=>5   O/P=>T,F,S

6)WAP TO PRINT NUMBER OF DAYS IN A MONTH BY READING MONTH NUMBER ?

EX: I/P=>4   O/P=>30 DAYS

    I/P=>11   O/P=>30 DAYS

    I/P=>3   O/P=>31 DAYS

7) WAP TO PRINT MONTH NUMBER BY READING MOUNTH NAME ?

8)WAP TO PRINT SEASONS NAME BASED ON MONTH NAME

    1-WINTER

    2-

    3-SUMMER

4-

5-

6-RAINY

7-

8-

9-SPRING

10-

11-

12-WINTER

LOOPS:

1)WAP TO PRINT 1 TO 10 NATURAL NUMBERS ?

2)WAP TO PRINT 1 TO N NATURAL NUMBERS ?

3)WAP TO PRINT NATURAL B/W M AND N ?

4)WAP TO PRINT ALPHABETS IN HORIZONTAL WAY ?

5)WAP TO PRINT LOWER CASE ALPHABET AND UPPER CASE ALPHABET VERTICAL WAY ?

6)4)WAP TO PRINT ALPHABETS IN DESENDIG ORDER VERTICALY ?

7)WAP TO PRINT UPPER CASE ALPHABETS WITH NUMBERS IN VERTICSL WAY ?

8)WAP TO PRINT THE ALPHABET BY READING NUMBER ?

EX: I/P: 5   O/P: E

     I/P: 25   O/P: Y

9)WAP TO PRINT PRODUCT OF THE NATURAL NUMBERS BETWEEN M AND N ?

10)WAP TO EVEN NUMBERS BETWEEN M AND N ?

11)WAP TO PRINT ODD NUMBERS BETWEEN M AND N ?

12)WAP TO PRINT SUMMATION OF EVEN NUMBERS BETWEEN M AND N ?

13)WAP TO PRINT PRODUCT OF ODD NUMBRS BETWEEN M AND N ?

14)WAP TO PRINT SUMMATION OF ODD NUMBERS BETWEEN M AND N ?

15)WAP TO PRINT PRODUCT OF EVEN NUMBRS BETWEEN M AND N ?

16)WAP TO PRINT SUMMATION OF THE NATURAL NUMBERS BETWEEN M AND N ?

17)WAP TO PRINT MULTIPLICATION TABLE OF 2 ?

18)WAP TO PRINT TABLE BY READING USER INPUT ?

19)WAP TO PRINT TABLE WITHOUT USING MULTIPLICATION OPERATOR ?

20)WAP TO PRINT ENTERED NUMBER IS DIVISBLE BY 7 OR NOT ?

21)WAP TO COUNT THE NUMBERS WHICCH ARE DIVISABLE BY 7 BETWEEN M AN N ?

22)WAP TO PRINT SUMMATION OF THE NUMBERS WHICH ARE DIVISABLE BY 5 BETWEEN M AND N ?

23)WAP TO PRINT THE QUOTIENT OF 85 DIVISIBLE BY 5 ?

24)WAP TO PRINT THE QUOTIENT OF THE NUMBER WITHOUT USING ANY DIVISION OPERATORS ?

25)WAP TO PRINT THE REMAINDER OF THE NUMBER WITHOUT USING ANY DIVISION OPERATORS ?

IMP QUESTIONS LOOPS:

1) WAP TO COUNT DIGITS PRESENT IN A NUMBER ?

2)WAP TO REVERSING A NUMBER ?

2)WAP TO PRINT THE DIGITS IN VETICALY ?

3)WAP TO PRINT THE DIGITS IN HORIZONTALY ?

4)WAP TO PRINT THE NUMBER FROM THE LAST UNIT PLACE ?

    2)WAP TO PRINT THE SUMMATIOM OF THE NUMBER ?

    3)WAP TO CHECK WHETHER GIVEN NUMBER IS PALINDROME OR NO ?

5)WAP TO CHECK WHETHER SUMATION OF THE NUMBER IS EVEN OR ODD ?

6)WAP TO CHECK WHETHER PRODUCT OF THE NUMBER IS EVEN OR ODD ?

7)WAP TO PRINT NUMBERS BETWEEN M AND N EXCEPT THE NUMBER WHICH HAS 7 IN IT ?

8)WAP TO COUNT NUMBERS BETWEEN M AND N THE NUMBER WHICH HAS 5 IN IT ?

9)WAP TO COUNT HOW MANY 3 ARE PRESENT IN BETWEN M AND N ?

10)WAP TO PRINT HOW MANY NUMBERS HAVE 6 IN IT AND HOW MANY 6'S ARE PRESENT ?

STANDARD PROGRAMS :

1)WAP TO SWAP TWO VARIABLES WITHOUT USING THIRD VARIABLE ?

2)WAP TO REVERSE A NUMBER ?

3)WAP TO CHECK WHETHER GIVEN NUMBER IS PALINDROME OR NOT ?

4)WAP TO PRINT THE SUMMATION OF THE NUMBER ?

5)WAP TO PRINT THE PRODUCT OF THE NUMBER ?

6)WAP TO CHECK WHETHER GIVEN NUMBER IS A SPY NUMBER OR NOT ?

7)WAP TO CHECK WHETHER GIVEN NUMBER IS A PERFECT NUMBER OR NOT ?

8)WAP TO CHECK WHETHER GIVEN NUMBER IS A PERFECT SQUARE OR NOT ?

9)WAP TO PRINT FACTORIAL OF A NUMBER ?

10)WAP TO CHECK WHETHER GIVEN NUMBER IS STRONG NUMBER OR NOT ?

11)WAP TO PRINT THE X POWER N ?

12)WAP TO CHECK WHETHER GIVEN NUMBER IS PRIME NUMBER OR NOT ?

13)WAP TO PRINT PRIME NUMBER BY READING IT'S POSITION OF NUMBER ?

14)WAP TO PRINT SPY NUMBER BY READING IT'S POSITION OF NUMBER ?

15)WAP TO PRINT PERFECT NUMBER BY READING IT'S POSITION OF NUMBER ?

16)WAP TO CHECK WHETHER GIVEN NUMBER IS ARMSTONG NUMBER OR NOT ?

17)WAP TO PRINT FIBINOCII SERIES ?

18)WAP TO PRINT FIBINOCII SERIES BY READING THE VALUE ?

19)WAP TO PRINT SPY NUMBERS BEWEEN M AND N ?

20)WAP TO PRINT PERFECT NUMBERS BETWEEN M AND N ?

21)WAP TO PRINT PERFECT SQUARES BETWEEN M AND N ?

22)WAP TO PRINT STRONG NUMBERS BETWEEN M AND N ?

23)WAP TO PRINT PRIME NUMBERS BEETWEEN M AND N ?

PATTERNS :

```
1)   1 1 1 1      2)      A A % A      3)   0 0 0 0      4)   a a a *
     1 1 @ 1              A A A A           0 0 0 0           a a a a
     1 $ 1 1              A A A A           ^ 0 0 0           a a $ a
     1 1 1 1              % A A A           0 0 0 @           a a a a


5)   * * * a      6)      ! ! ! !
     * * 1 *              A ! @ !
     * @ * *              ! ! ! !
     ! * * *              ! & ! #


7)   a * * *      8)      * * * #      9)      * * * *
     * a * *              * * # *              *     *
     * * a *              * # * *              *     *
     * * * a              # * * *              * * * *


1)   a * * * b    2)      8 * * 7      3) 5 4 3 2 1    4) e d c b a
     * c * d *            * 6 5 *         5 4 3 2 1       e d c b a
     * * f * *            * 4 3 *         5 4 3 2 1       e d c b a
     * g * h *            2 * * 1         5 4 3 2 1       e d c b a
     i * * * j                           5 4 3 2 1       e d c b a


5)   1 2 3 4      6)      i h g f      7)   1 2 3 4    8)      A B C D
     5 6 7 8              e d c b           1 2 3 4            E F G H
     9 1 2 3              a i h g           1 2 3 4            I J K L
     4 5 6 7              f e d c           1 2 3 4            M N O P
```

9) A B C D 10) 1 2 3 4

1 2 3 4   a b c d

A B C D   5 6 7 8

1 2 3 4   e f g h

1) A 1 B 2 2)1 a 1 a 3)a 1 + 2 b 4) a 1 b 2 c 5)1 2 3 4 5

  C 3 D 4   1 a 1 a c 3 + 4 d   d 3 e 4 f a b c d e

  E 5 F 6   1 a 1 a e 5 + 6 f   g 5 h 6 i + + + + +

  G 7 H 8   1 a 1 a g 7 + 8 h   j 7 k 8 l a b c d e

                   i 9 + 10 j 1 2 3 4 5

6) 1 z 2 y   7) 1 a 4 d   8) 1 A # B 2

  3 x 4 w   7 g 10 j   3 C # D 4

  5 v 6 u   13 m 16 p   # # # #

  7 t 8 s   19 s 22 v   5 E # F 6

  9 r 1 q   7 G # H 8

1) *   2) * * * * 3) * * * *   *

  * *   * * *   * * *   * *

  * * *   * *   * *   * * *

  * * * *   *   *   * * * *

5) a   6) 1   7)a   8)1

  b c   2 3   1 2   a b

  d e f   4 5 6   b c d   1 2 3

  g h i j   7 8 9 10 3 4 5 6 a b c d

9) 1   10) e d c b a 11) 5 4 3 2 1 12) e

  2 a   e d c b   a b c d   e d

  3 b 4   e d c   5 4 3   e d c

  5 c 6 d   e d   a b   e d c b

         e   5   e d c b a

13) 1
     3 2
     6 5 4
     10 9 8 7

14)   *   *   15)   *   *   16) * * * * *   17) *   * * * *
      * *   * *   * *   * *   * * * * *   * *   * * *
      * * *   * * *   * * * * * *   * *   * * *   * * *   * *
      * * * * * * *   * * * * * * *   *   * * * *   * * * * *

1)   *   2) * * * * * * *   3)   *   4)   A
    * * *   * * * * *   * * *   A B C
  * * * * *   * * *   * * * * *   A B C D E
* * * * * * *   *   * * *   A B C
                                     *   A

5)   1   6)   A   7) 1 2 3 4 3 2 1   8) A
   2 2 2   A B A   1 2 3 2 1   A B A
  3 3 3 3 3   A B C B A   1 2 1   A B C B A
 4 4 4 4 4 4 4 A B C D C B A   1   A B C D C B A
  3 3 3 3 3   A B C B A
   2 2 2   A B A
    1   A

RECURSION:

1)WAP TO PRINT NATURAL NUMBERS FROM 1 TO 10 WITH THE HELP OF RECURSION ?

2)WAP TO PRINT 10 T0 1 NATURAL NUMBERS ?

3)WAP TO PRINT 4 TO 1 AND 1 TO 3 IN SINGLE PRGM ?

4)WAP TO FIND OUT FACTORIAL WITH THE HELP OF RECURSION ?

5)WAP TO CHECK WHETHER GIVEN NUMBER IS PALINDROME OR NOT ?

6)WAP TO CHECK WHETHER GIVEN NUMBER IS PRIME OR NOT ?

ARRAYS :

1)WAP TO CREATE AN ARRAY SIZE OF 5 AND STORE THE VALUE FROM THE USER ?

2)WAP TO PRINT EVEN INDEX OF FROM AN ELEMENTS ?

3)WAP TO PRINT ODD INDEX OF ELEMENT ?

4)WAP TO FIND SUM OF ALL GIVEN ELEMENTS FROM AN ARRAY ?

5)WAP TO FIND AVRAGE ELEMENT FROM AN ARRAY ?

6)WAP TO FIND SUMMATION OF EVEN INDEX ELEMENTS FROM AN ARRAY

7)WAP TO FIND SUMMATION OF ODD INDEX ELEMENTS FROM AN ARRAY ?

9)WAP TO PRINT FIRST HALF OF THE ARRAY ELEMENTS ?

10)WAP TO PRINT SECOND HALF OF THE ARRAY ELEMENTS ?

11)WAP TO FIND AVAREGE VALUE OF EVEN INDEX FROM AN ARRAY ?

12)WAP TO FIND AVAREGE VALUE OF ODD INDEX FROM AN ARRAY ?

13)WAP TO FIND AVAREGE VALUE OF FIRST HALF FROM AN ARRAY ?

14)WAP TO FIND AVAREGE VALUE OF SECOND HALF FROM AN ARRAY ?

15)WAP TO FIND MAX ELEMENT FROM AN ARRAY ?

16)WAP TO FIND MIX ELEMENT FROM AN ARRAY ?

17)WAP TO READ EVEN INDEXED ELEMENTS OF AN ARRAY ?

18)WAP TO PRINT ELEMENTS IN ASCENDING ORDER ?

19)WAP TO PRINT ELEMENTS IN DESCENDING ORDER ?

20)WAP TO PRINT AVRAGE ELEMENT FROM AN ARRAY ?

21)WAP TO PRINT 2ND HIGHEST ELEMENT OF AN ARRAY ?

22)WAP TO PRINT 2ND LOWEST ELEMENT OF AN ARRAY ?

23)WAP TO CHECK GIVEN VALUE IS PRESENT IN THE ARRAY OR NOT ?

24)WAP TO FIND MAX ELEMENT OF EVEN INDEX FROM AN ARRAY ?

25)WAP TO FIND MAX ELEMENT OF ODD INDEX FROM AN ARRAY ?

26)WAP TO FIND MAX ELEMENT OF FIRST HALF FROM AN ARRAY ?

27)WAP TO FIND MAX ELEMENT OF SECOND HALF FROM AN ARRAY ?

28)WAP TO REPLACE ELEMENT OF AN ARRAY ?

29)WAP TO PRINT HOW MANY TIME THE GIVEN ELEMENT IS OCCURRED?

30)WAP TO PRINT HOW MANY TIMES THE ELEMENTS ARE PRESENT ?31)WAP TO PRINT MISSNG ELEMENT IN A GIVEN SORTING ARRAY ?32)WAP TO REMOVE DUPLICATES FROM AN ARRAY ?

33)WAP TO MERGE TWO ARRAY ?

34)WAP TO ACHIEVE BUBBLE SORT ?

35)WAP TO PRINT ALL THE PRIME NUMBERS PRESENT IN A ARRAY ?

36)WAP TO PRINT   PALINDROME NUMBERS PRESENT IN A ARRAY ?

37)WAP TO ADD AN ELEMENT INTO EXISTING ARRAY IN A SPECIFIC POSITION ?

38)WAP TO REMOVE AN ELEMENT INTO EXISTING ARRAY IN A SPECIFIC POSITION ?

39)WAP TO SEARCH AN ELEMENT AND PRINT THE POSITION OF THE ELEMENT ?

40)WAP TO ACHIEVE SELECTION SORT ?

STRINGS:

1)WAP TO CONVERT CHAR ARRAY INTO STRING WITHOUT USING BUILT IN ?

2)WAP TO CONVERT STRING INTO CHAR ARRAY ?

3)WAP TO REVERSE A STRING ?

4)WAP TO CHECK GIVEN STRING PALINDROME OR NOT ?

5)WAP TO CONVERT LOWERCASE VALUE INTO UPPERCASE ?

6)WAP TO CONVERT UPPERCASE VALUE INTO LOWERCAS ?

7)WAP TO CHECK WHETHER GIVEN CHARACTER IS PRESENT IN THE STRING OR NOT ?

8)WAP TO PRINT HOW MANY TIMES THE CHARACTER PRESENT IN A STRING ?

9)WAP TO COUNT VOWELS PRESENT IN A STRING ?

10)WAP TO COUNT CHARACTER PRESENT IN THE STRING ?

11)WAP TO COUNT CHARACTERS WITHOUT SPACE ?

12)WAP TO COUNT DIGITS PRESENT IN A STRING ?

13)WAP TO REMOVE SPACES IN THE SENTENCE ?

14)WAP TO COUNT WORDS PRESENT PRESENT IN A STRING ?

15)WAP TO REVERSE A WORD IN ITS POSITION ?

16)WAP TO DELETE THE DUPLICATES CHARACTER PRESENT IN THE STRING ?

17)WAP TO CHECK LARGEST SUBSTRING IN THE STRING ?

18)WAP TO FIND INDEX OF THE CHARACTER IN THE STRING ?

19)WAP TO REMOVE VOWELS PRESENT IN THE ARRAY ?

20)WAP TO STRING INTO INTEGER ?

21)WAP TO FIND THE WORD IN THE STRING ?

22)WAP TO PRINT LARGEST WORD IN THE STRING ?

COLLECTIONS :

1) Write a program to count the elements present in the ArrayList.
2) write a program to reverse the elements of Linked list by using for loop.
3) Write a program to print elements in linked list from last to first.
4) Write a program to reverse the elements by using inbuilt method.
5) Write a program to copy one Array list elements to another Array list.
6) Write a program to add elements from one priority queue to another priority queue.
7) Write a program to join 2 maps and print uniformed map.
8) Write a program to convert array list to hashset.
9) Write a program to remove duplicates from the arraylist.
10) Write a program to retrieve all the entries from tree Map by using iterator.
11) Write a program to sort the elements of arraylist without temp variable.
12) Write a program to sort the elements of arraylist using temp variable.
13) Write a program to print elements of hash set by using for each.
14) Write a program to replace 1 element or elements in the array list.
15) write a program to swap elements in the arraylist.
16) Write a program on arraylist(contains(),containsall(),equals()).
17) Write a program to print a portion of arraylist.
18) Write a program to print elements of the map using iterator.
19) Write a program to print priority queue using for each loop.
20) Write a program to print elements of arraylist using list iterator.
21) Write a program to remove specified element from the vector.
22) Write a program to check common elements from two lists and remove that common element from 1st list.
23) Write a program to add entries in treemap and print size.
24) Write a program to print keys of treemap.
25) Write a program to check if hashset is empty or not if it is empty add elements in them.