**MCA TERM WORK 2024**

1.Write a program to enter a String and print those values which are having more then or equal to 3 letters subsequences .

i.e. if String is “abc12dmpe789pp3e”

then abc and dmpe should print.

2. WAP to generate wifi key as user will enter form value Name,City,Age and Gender?

=>If gender is Male then key will be First 3 Character of Name+Difference of age digit+Last 3 Character of city

=> If gender is Female then key will be last 3 character of Name+sum of age digit+first 3 character of city.

3. WAP to create a method check which returns two values.If first string having a character twice as well second string also then return both the string by removing that character?

4. WAP to print number of days gape in your age as enter DD-MM-YYYY with current system date?

5. WAP to delete only those text file which are non empty in these folder.[E://MCA/BCA/DCA].

6. WAP to put one Exception class in a package and to use this Exception class object in an another package class method any how?

7. WAP to show the Working of multithreading . Make separate program by using Runnable  interface And by using Thread Class and also use their methods.

8. WAP for following OUTPUT

String s="san12may4tya7yyy678rtb62tp"

Output 2 will 4\*7=28

Output 1 will sanmytrbp

Output 3 will 12+678+62=690+62 =....

9. Enter a no and then create array of its digits.

i.e

If no is 123456 than

Store it's digit in int array of size 6 as

If array is a than a[0] should 1 and a[1] should 2......

Also after storing in array a then reverse it's all value without using another array i.e

After reversing a[0] should 6 and a[1] should 5 ......

print common elemnts of both array.

10. Wap to initlize two integer array of user enterd size .Then perform following operations

1.add elements in that array which is longest .

I.e. if first array is of 3 size having elements 1,2,3

Second array is of size five and elements are 4,5,6,7,8

Than result array will second and now it's elements will 5,7,9,7,8

11. Initlize integer array of any size containg values 0 and 1 only.

Now check which is longest series of either 0 or 1 ,which is existing.

I.e. if array values are

{1,1,1,0,0,1,1,0,0,0,0,0,1,1,1}

Ans is 0 and length is 5

If there is same series of 0 and 1 then ans will which is existing first

I.e. if array values are

{1,1,1,0,0,1,1,0,0,0,1,1,1}

Ans is 1 and length is 3

As 1,1,1 comming first before 0,0 0

12. WAP to delete your name from database column if it exists more then 2 times.If it does not exists then insert it. Assuming emp table exists in geu database with name column field.

13. Write a program to make a method that takes two arguments (a String and an integer).The integer argument will be a two digit number and the String having more then 2 characters.

Method will return as

If the length of string is even then-

Input string =”abcd”,number=12

Output string=a1b2cd

* If the length of string is odd then-

Input string =”abc”,number =12

Output string=”a1b2c”

14. Write a program to create a string of numbers by reading from vector assuming vector having some integer value .In string there should be no duplicate digit

Vector values= [ 113, 34, abc, 94, 12,mm ]

Output string=13492

15. WAP to show the difference between String and  StringBuffer Class and perform those methods Of StringBuffer Class that are not present in String Class.

16. WAP to create a Form for registration of a user with the following validations?

i-Name should contain only character value.

ii-Address should contain Multiple values.

iii-In the subject field select maximum 2 checkbox out of three?

iv-In the Exam center field select maximum 2 list items.

17. WAP in Java to initialize a string in order to find that character which frequency is 2nd most in that string.

18. WAP to check longest sub sequence of a same character in an initialized string?[aaaabppppp, p=5] [aabbcc, a=2].

19. WAP in Java to print the sum of following series:

x1/y2 + x3/y4 + x5/y6 + …. Upto n terms

20. . WAP to find the average of second minimum and second highest number?[3,5,7,9,11]

21. WAP to initialize 2D string array at runtime and to print reverse value of diagonal position only?

22. WAP to store different object in an ArrayList and to retrieve using iterator().

23. WAP to copy one file contents(Characters) which are either vowels or odd digits into another which by creating second file?

24. WAP to create a method check which returns two values.If first string having a character twice as well second string also then return both the string by removing that character?

25. WAP to update a table column value using stored procedures.