# **CSA02- C Programming**

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#### Questions

CEQ20.

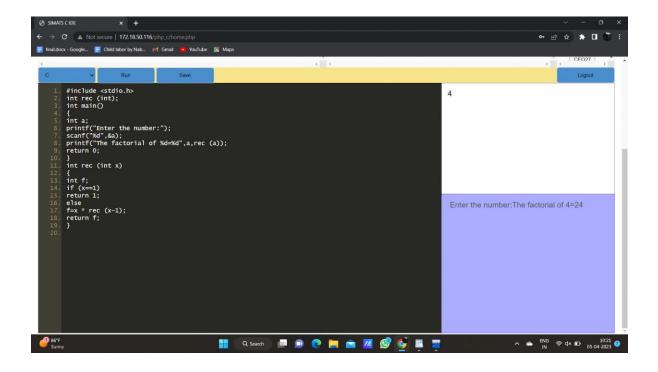
Find the factorial of n?

Sample Input:

N = 4

Sample Output:

4 Factorial = 24



CEQ22.

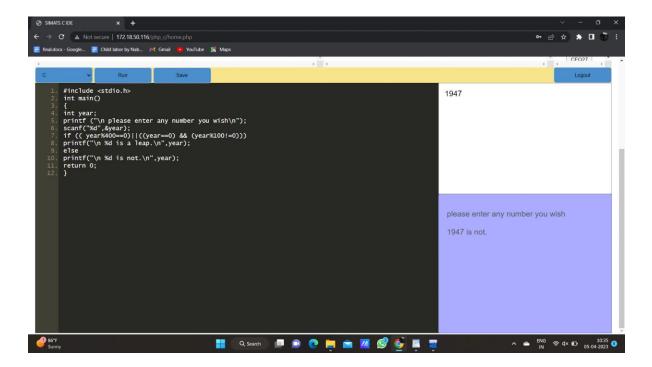
Find the year of the given date is leap year or not

Sample Input:

Enter Date: 04/11/1947

Sample Output:

Given year is Non Leap Year



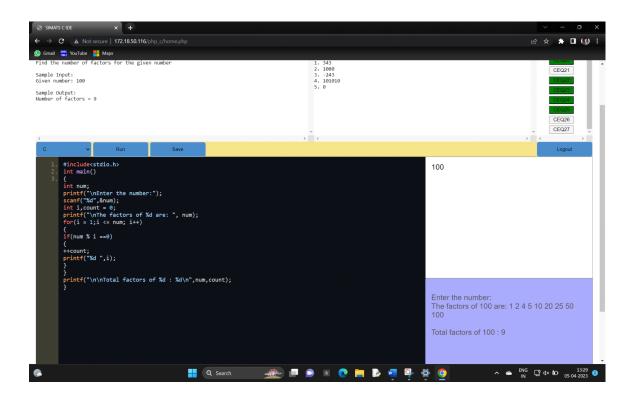
CEQ23.

Find the number of factors for the given number

Sample Input: Given number: 100

Sample Output:

Number of factors = 9



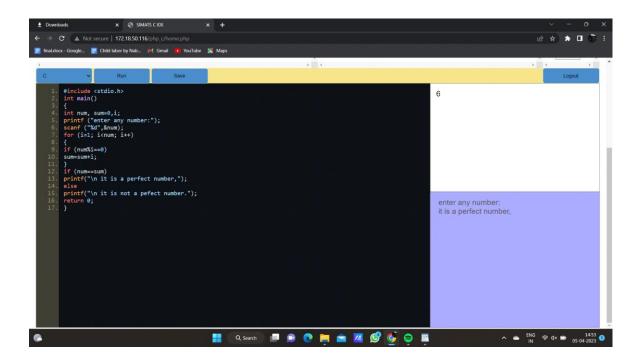
CEQ24.

Write a program to print the given number is Perfect number or not?

Sample Input: Given Number: 6

Sample Output:

It's a Perfect Number



CEQ25.

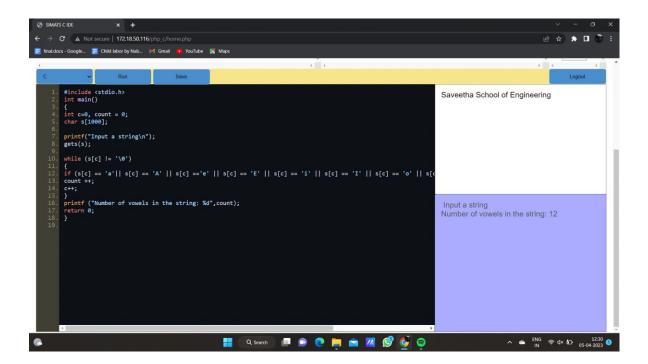
Write a program to print the number of vowels in the given statement?

Sample Input:

Saveetha School of Engineering

Sample Output:

Number o vowels = 12

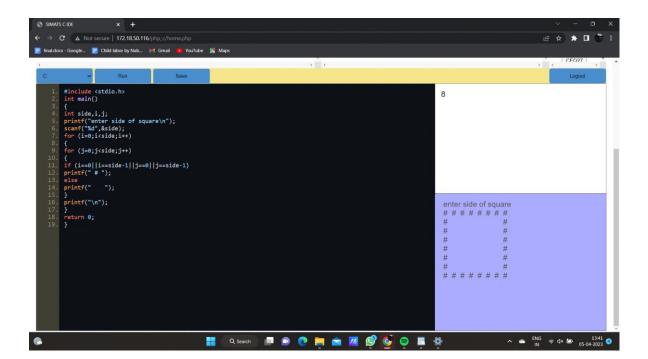


CEQ26.

Write a program to print hollow square symbol pattern? Get the symbol from user.

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Sample Input: #
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Output:
# # # # #
# # #
# # # # #
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CEQ21.

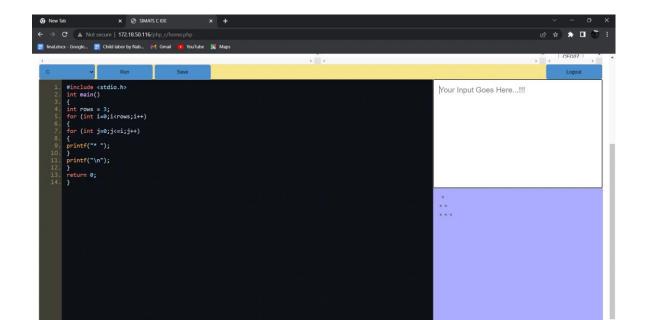
Write a program to print the following pattern

Sample Input:

Enter the Character to be printed: %

Max Number of time printed: 3

% % % % % %



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CEQ2.

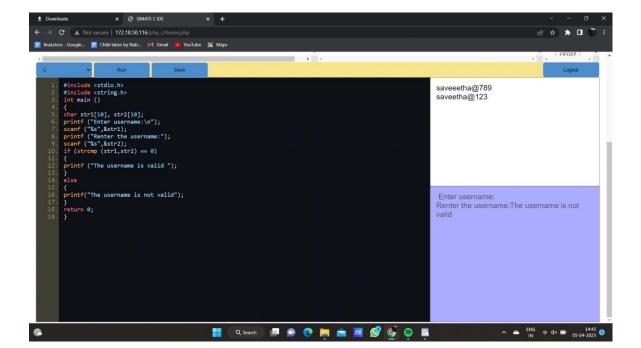
Write a program to check the entered user name is valid or not. Get both the inputs from the u

Sample Input:

Enter the user name: Saveetha@789 Reenter the user name: Saveetha@123

Sample Output:

User name is Invalid



CEQ27.

Write a program to print consonants and vowels separately in the given word.

Sample Input:

Given Word: Engineering

Sample Output:

Consonants: n g n r n g

Vowels: e i e ei



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CEQ19.
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Find the Mean, Median, Mode of the array of numbers?

Sample Input;:
Array of elements = {16, 18, 27, 16, 23, 21, 19}

Sample Output:
Mean = 20
Median = 19
Mode = 16
```

```
Run
                                 Save
    #include<stdio.h>
    #include(stdlib.h>
    int main(){
    int n,i,j,temp,sum=0,mode=0,count=0;
    float mean, median;
    printf("Enter the size of array:\n");
scanf("%d",&n);
9. int *arr=(int*) malloc(n*sizeof(int));
    printf("Enter the array elements:\n");
    for(i=0;i<n;i++)
12. {
13. scanf("%d",&arr[i]);
14 sum+=arr[i];
15. }
    mean=(float)sum/n;
```