CSA02- C Programming

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Questions

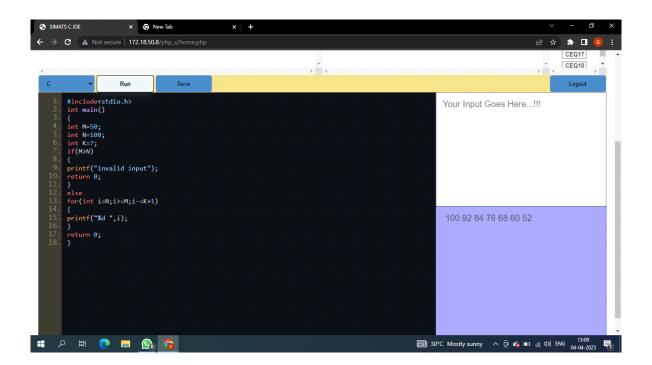
CEQ3.

Write a program to reverse a number using loop?(Get the input from user)

Sample Input: Number: 14567

Sample Output:

Reverse Number: 76541



CEQ28.

```
Write a program to print the Fibonacci series.
```

```
Sample Input:
Enter the n value: 6

Sample Output:
0 1 1 2 3 5
```

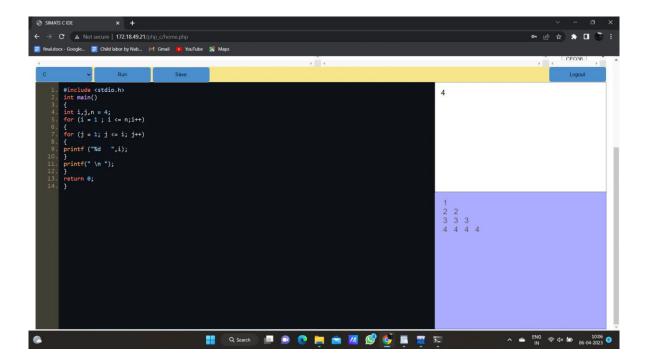
```
1. #include(stdio.h)
2. int main()
3. {
    int count, n,ti=0,t2=1,temp=0;
    printf('No.of terms:');
    scanf("%d',%n);
    rount=2;
    sub-ile(count<n)
    {
        temp=t1+t2;
        t1=t2;
        t2=temp;
    +-count;
    printf("%d ",temp);
    }
    return 0;
    return
```

CEQ29.

Write a program to print the below pattern. $\boldsymbol{1}$

2 2 3 3 3

4 4 4 4



CEQ30.

Write a program to find the square, cube of the given decimal number.

Sample Input: Given Number: 0.6

Sample Output: Square Number: 0.36 Cube Number:0.216

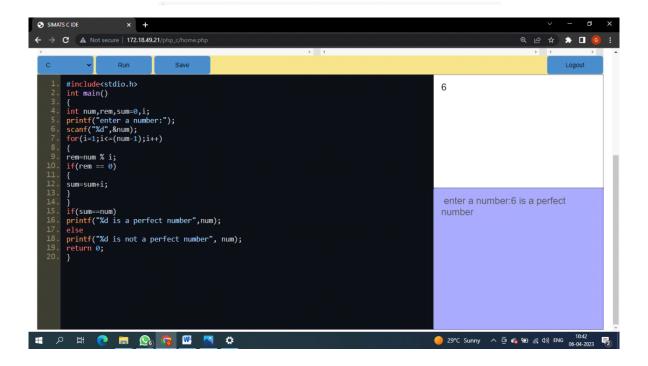


CEQ32.

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



```
CEQ33.
```

```
Find the factorial of n?

Sample Input:
N = 6
```

Sample Output: 6 Factorial = 720

```
I. #includescatdio.h>
2. int main(){
3. int x, fact=1,n;
4. printf("enter a number to find the factorail:");
5. scanf("Mu", Mn);
6. for(x=1;x<=n;x++)
7. fact=fact*x;
9. printf("factorail of %d is: %d",n,fact);
9. return 0;

enter a number to find the factorail of 6 is: 720
```

Questions CEQ34.

Write a program to print the below pattern.

```
1
4 9
16 25 36
49 64 81 100
```

```
1. #includestdio.h?

2. int main(){
3. int rows.i,j.number=1;
4. printf("nter the number of rows: \n");
5. scanf("Md" Anows);
6. for(i=1;4<-rows;i++){
7. for(j=1;3<-rows;i++){
8. printf("Md",number*number);
9. +*number;
10. }
11. printf("\n");
12. }
13. return 0;
14. }
                                                                                                                                                                                                                                                                                                                                                                                                                       Your Input Goes Here...!!!
                                                                                                                                                                                                                                                                                                                                                                                                                    Loading .....
```

```
CEQ35.
```

```
Write a program to find the number of composite numbers in an array of elements

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

Sample Output:
Number of Composite Numbers = 5
```

CEQ36.

```
Find the nth odd number after n odd number.
```

```
Sample Input:
N: 4
```

Sample Output:

4th Odd number after 4 odd numbers = 15

```
#includecstdio.h>
int main(){
  int n,m,nthodd;
  printf("mether the value of n");
  scanf("%d",&n);
  printf("enter the position of the odd number tofind");
  scanf("%d",&n);
  nthodd = ( n+ m - 1) * 2 + 1;
                                                                                                                                                                                                                                                                     0
printf("the %dth number after %d odd number is %d\n",m);
                                                                                                                                                                                                                                                                     enter the value of nenter the position of the odd number tofindthe 421th number after 0 odd number is 1398795248
```

CEQ37.

Write a program that finds whether a given character is present in a string or not.

In case it is present it prints the index at which it is present.

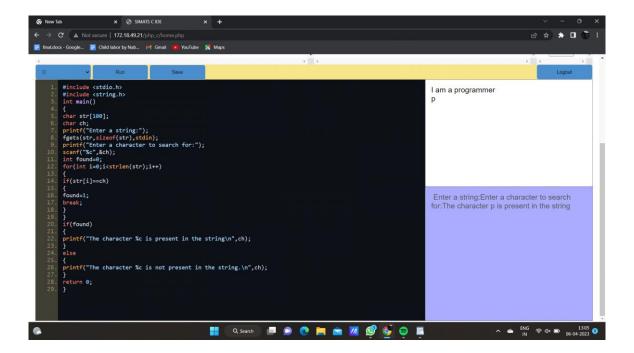
Do not use built-in find functions to search the character.

Sample Input:

Enter the string: I am a programmer
Enter the character to be searched: p

Sample Output:

P is found in string at index: 8
Note: Check for non-available Character in the given statement as Hidden Test case.



```
Questions
CEQ4.
Write a program to find whether the person is eligible for vote or not. And if that particular Sample Input:
Enter your age:7
Sample output:
You are allowed to vote after 11 years
```

```
1. #include<stdio.h>
2. int main(){
3. int age;
4. printf("enter the age");
5. scanf("Md', Bage);
6. if (age) = 18)f
7. printf("eligible for vote");
8. }else
9. {
10. printf("has to wait Xd years", 18-age);
11. printf("has to wait Xd years", 18-age);
12. }
13. return e;
14. }

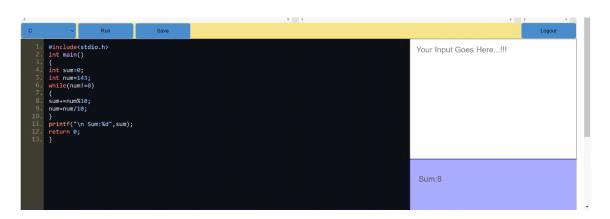
enter the agenotheligible for votinghas to wait 11 years
```

Questions CEQ43.

Write a program to find the sum of digits of N digit number.

Sample Input: Enter N value : 3 Enter 3 digit number: 143

Sample Output: Sum of 3 digit number: 8



Questions CEQ39.

Program to find whether the given number is Armstrong number or not Sample Input: Enter number : 153

Sample Output: Given number is Armstrong number

```
#include<stdio.h>
void main()
                                                                                                                                                                                                                                                                                                                                                                                                          Your Input Goes Here...!!!
#include<stdio.h>
void main()
{
   int num=153,r,sum=0,temp;
   printf("enter a number:");
   scanf("Xd ",&num);
   for(temp=num;numl=0;num=num/10)
   {
       renumX10;
       sum=sum+(r*r*r);
   }
   if(sum==temp)
   {
       printf("armstrong number:");
   }
   else
   {
       printf("not armstrong number:");
   }
}
                                                                                                                                                                                                                                                                                                                                                                                                           enter a number:armstrong number:
```

Questions CEQ44.

Write a program to find the square root of a perfect square $number(print\ both\ the\ posit$

Sample Input: Enter the number : 6561

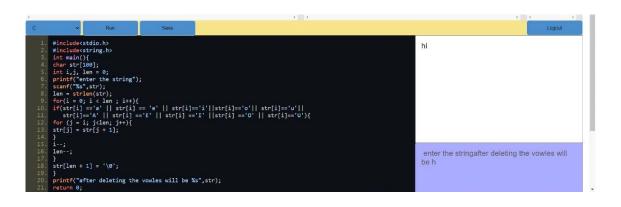
Sample Output: Square Root: 81, -81



CEQ41.

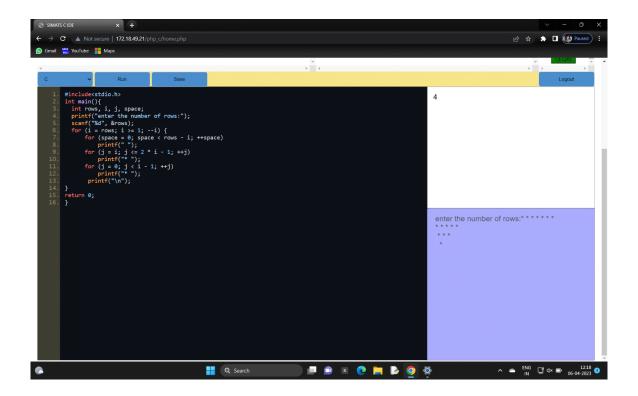
Write a program that accepts a string from user and displays the same string after removing vowels from it.

Sample Input & Output: Enter a string: we can play the game The string without vowels is: w cn ply thgm



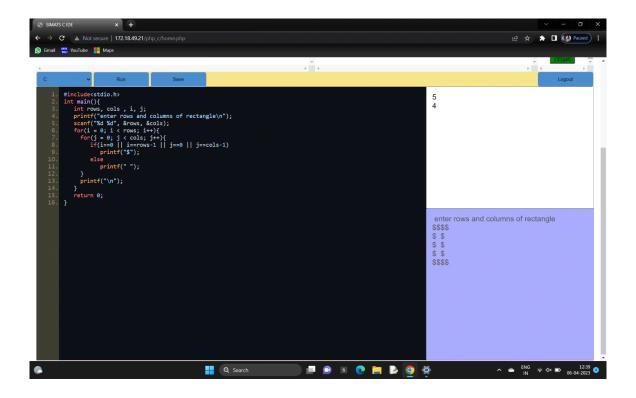
CEQ45.

Write a program to print inverted pyramid pattern.



CEQ42.

Write a program to print hollow Rectangle Dollar pattern?



CEQ38.

Write a program to print the below pattern.

```
1 2 2 3 3 3 4 4 4 4 4 4 3 3 3 2 2 1
```

