# DAY-2 C PROGRAMMING PRACTICE

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# 1.

```
Questions
CEQ28.
Write a program to print the Fibonacci series.
Sample Input:
Enter the n value: 6
Sample Output:
```

```
Run
                                        Save
    #include<stdio.h>
    int main()
      int n1=0,n2=1,n3,i,number;
     printf("enter the number of elements:");
     scanf("%d",&number);
      printf("\n%d %d",n1,n2);
     for(i=2;i<number;++i)</pre>
       n3=n1+n2;
       printf(" %d",n3);
11.
12.
      n1=n2;
13.
      n2=n3;
14.
15.
      return 0;
      }
```

6

enter the number of elements: 0 1 1 2 3 5

# Questions

CEQ29.

```
1. #include <stdio.h>
2. int main()
3. {
4. int i,j,n = 4;
5. for (i = 1; i <= n;i++)
6. {
7. for (j = 1; j <= i; j++)
8. {
9. printf ("%d ",i);
10. }
11. printf(" \n ");
12. }
13. return 0;
14. }</pre>
```

4

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

### Questions

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
```

```
C
                     Run
                                      Save
     #include<stdio.h>
     void main()
        int i,n=7,a[100],count=0;
        printf("Enter elements:");
        for(i=0;i<n;i++)
          scanf("%d",&a[i]);
        for(i=0;i<n;i++)</pre>
          if(a[i]==2)
             continue;
          else if(a[i]%2==0)
            count++;
         if(count>2)
           printf("\nTotal num of composite nums:%d",count);
```

21 19

Enter elements: Total num of composite nums:3

4.

.

# Questions

CEQ33.

Find the factorial of n?

Sample Input:
N = 6

Sample Output: 6 Factorial = 720

```
1. #include<stdio.h>
2. int main(){
3.   int x,fact=1,n;
4.   printf("enter a number to find the factorail:");
5.   scanf("%d",&n);
6.   for(x=1;x<=n;x++)
7.   fact=fact*x;
8.   printf("factorail of %d is: %d",n,fact);
9.   return 0;
10. }</pre>
```

6

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

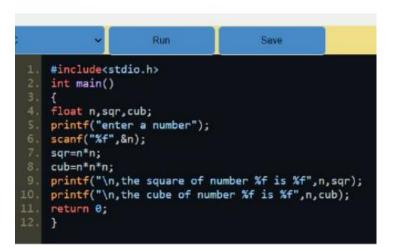
### Questions

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



enter a number
,the square of number 0.600000 is 0.360000
the cube of number 0.600000 is 0.216000

# Questions

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



6

enter a number: 6 is a perfect number

```
Questions
```

Reverse Number: 76541

CEQ3.

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

Sample Input:
Number: 14567

Sample Output:

```
1. #include <stdio.h>
2. #include<stdlib.h>
3. int main()
4. {
5. int num,rem,reverse=0;
6. printf("enter the number for find reverse\n");
7. scanf("%d",%num);
8. printf("you entered %d\n",num);
9. for(;num!=0; num=num/10)
10. {
11. rem=num%10;
12. reverse=reverse*10+rem;
13. }
14. printf("reverse of the given number %d",reverse);
15. return 0;
16. }
```

14567

enter the number for find reverse you entered 14567 reverse of the given number 76541

# \$.

### Questions

CEQ36.

Find the nth odd number after n odd number.

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

Sample Output:

4th Odd number after 4 odd numbers = 15

```
#include<stdio.h>
int main(){
int n,m,nthodd;
printf("enter the value of n");
scanf("%d",&n);
printf("enter the position of the odd number tofind");
scanf("%d",&m);
nthodd = (n+m-1) * 2 + 1;

printf("the %dth number after %d odd number is %d\n",m);

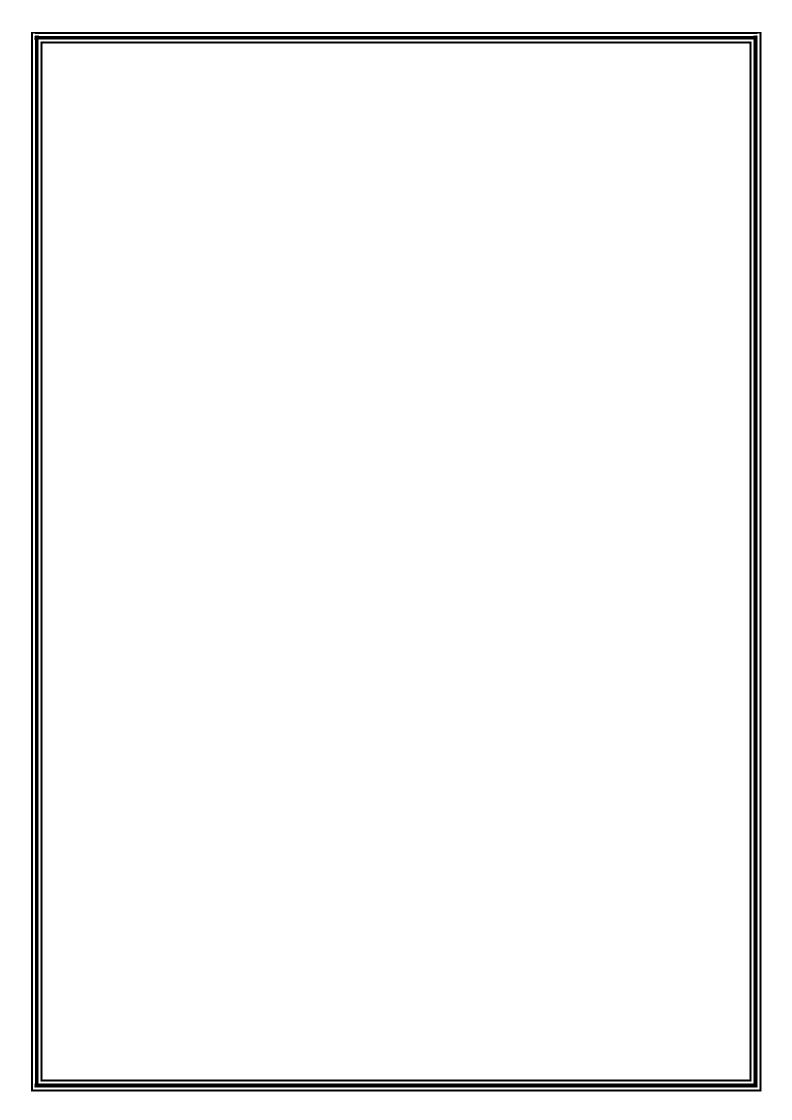
return 0;

11.
return 0;
13.
}
```

```
9.
  Questions
                                                                                                           Test Cases
  CEQ34.
  Write a program to print the below pattern.
  4
  16 25
             36
  49 64 81
                    100
                                Run
                                                      Save
        1. #include<stdio.h?
        2. int main(){
        int rows,i,j,number=1;

    printf("enter the number of rows: \n");

        5. scanf("%d",&rows);
       6. for(i=1;i<=rows;i++){
7. for(j=1;j<=i;++j){
8. printf("%d",number*number);
9. ++number;</pre>
       10. }
       11. printf("\n");
      12. }
13. return 0;
14. }
```



# DAY-3 AN PROGRAMS

1.

### Questions

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.

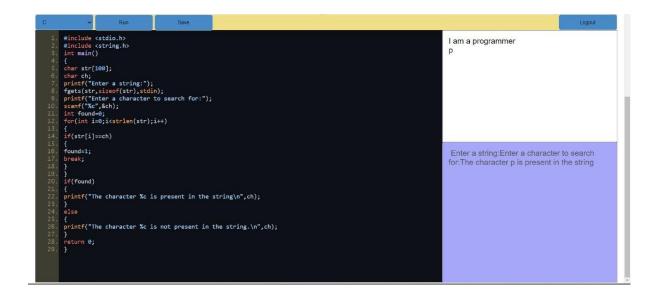
### Sample Input:

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

#### Sample Output:

P is found in string at index: 8

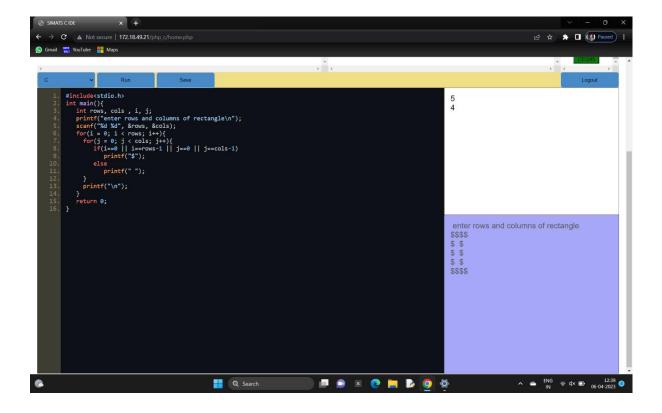
Note: Check for non-available Character in the given statement as Hidden Test case.



# Questions

CEQ42.

Write a program to print hollow Rectangle Dollar pattern?



# 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

```
| Test Cases | CEGGS |
```

### Questions

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



#### Questions

CEQ44.

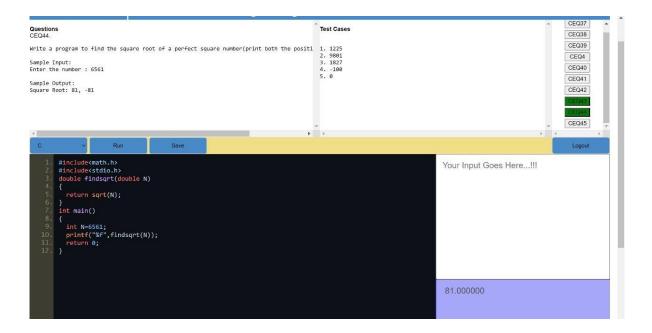
Write a program to find the square root of a perfect square number(print both the positive and

Sample Input:

Enter the number : 6561

Sample Output:

Square Root: 81, -81



# 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:

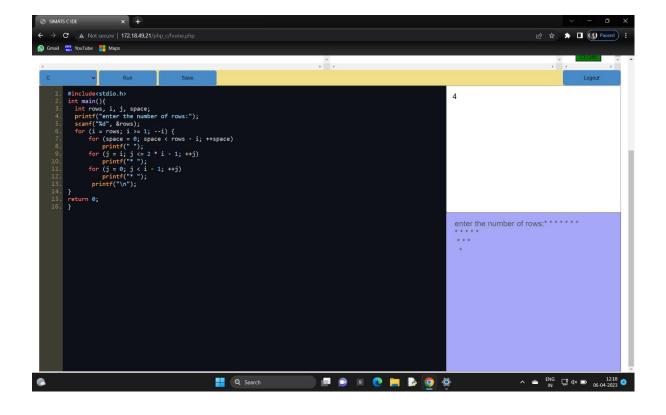
Sum of 3 digit number: 8



# Questions

CEQ45.

Write a program to print inverted pyramid pattern.



# Questions

CEQ4.

Write a program to find whether the person is eligible for vote or not. And if that particular  ${\sf vote}$ 

Sample Input:

Enter your age:7

Sample output:

You are allowed to vote after 11 years

