

7.

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

```
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

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Questions

CEQ36.

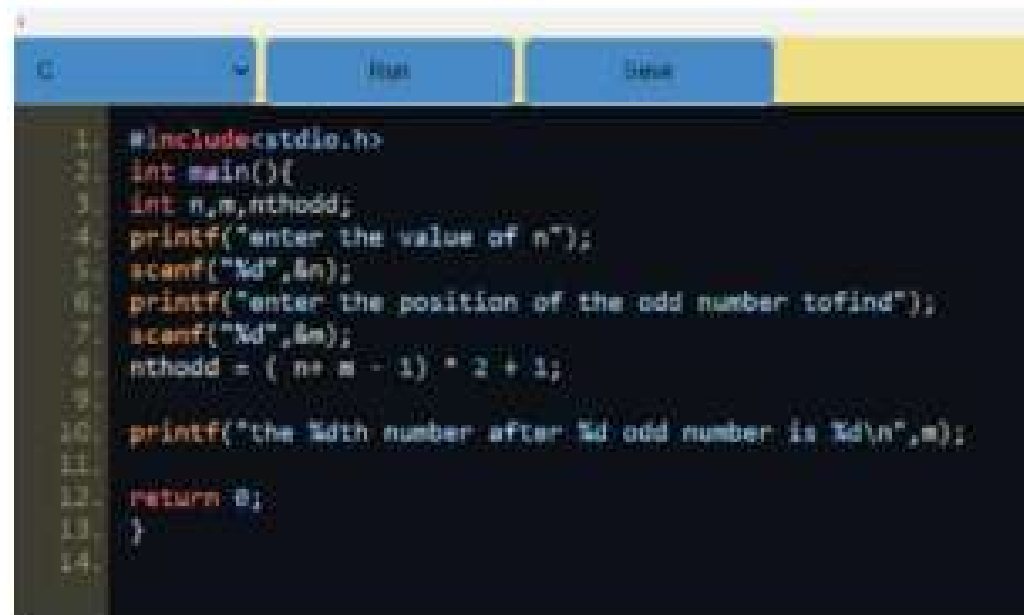
Find the nth odd number after n odd number.

Sample Input:

N : 4

Sample Output:

4th Odd number after 4 odd numbers = 15



```
1  #include<stdio.h>
2  int main(){
3  int n,m,nthodd;
4  printf("enter the value of n");
5  scanf("%d",&n);
6  printf("enter the position of the odd number tofind");
7  scanf("%d",&m);
8  nthodd = ( n+ m - 1) * 2 + 1;
9
10 printf("the %dth number after %d odd number is %d\n",m);
11
12 return 0;
13 }
14
```

9.

Questions

CEQ34.

Test Cases

Write a program to print the below pattern.

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

```
1. #include<stdio.h>
2. int main(){
3.     int rows,i,j,number=1;
4.     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;
10.        }
11.        printf("\n");
12.    }
13.    return 0;
14. }
```

1.

Questions

CEQ28.

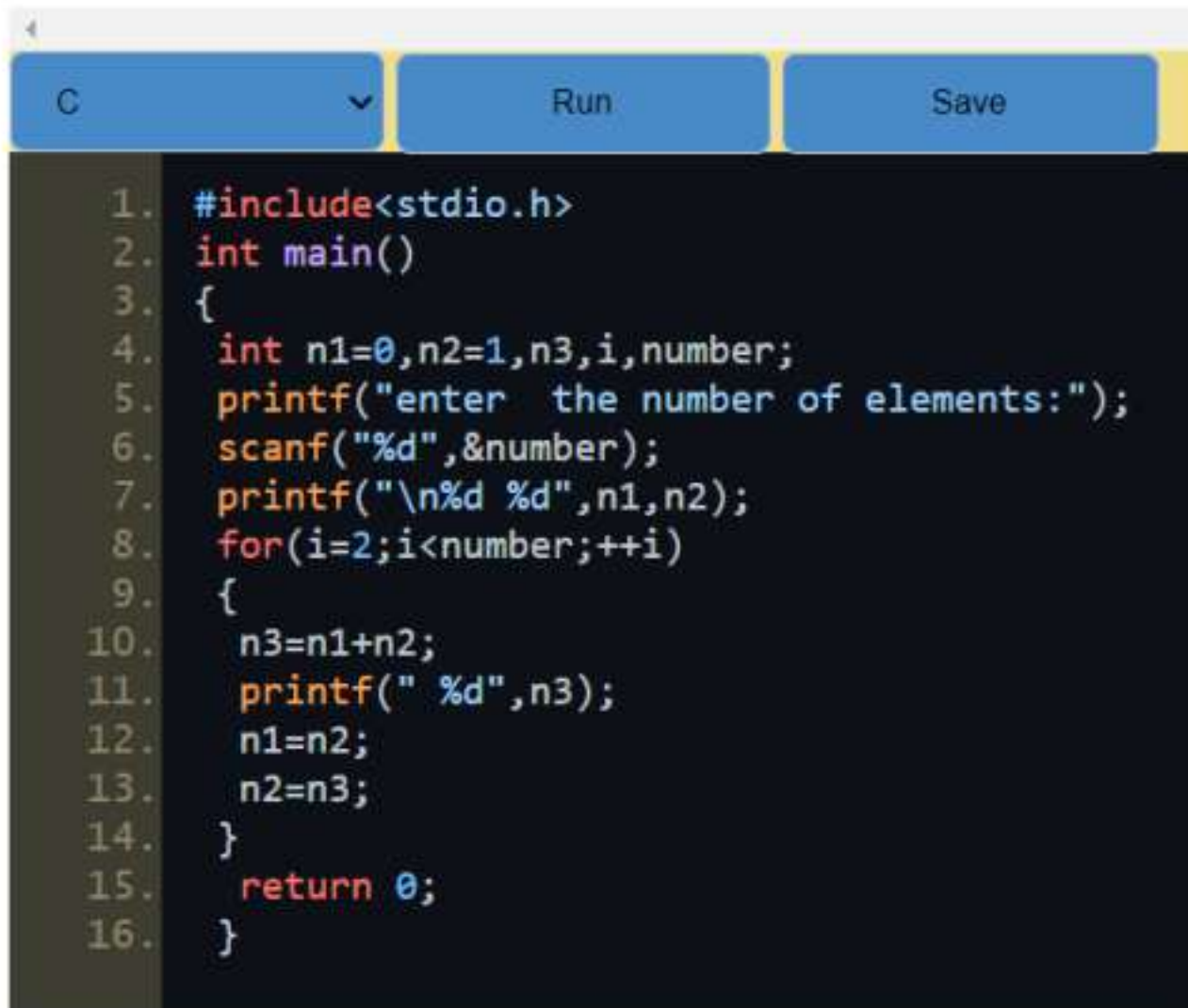
Write a program to print the Fibonacci series.

Sample Input:

Enter the n value: 6

Sample Output:

0 1 1 2 3 5



The screenshot shows a C programming IDE with a dark background. At the top, there is a toolbar with three buttons: 'C' (with a dropdown arrow), 'Run', and 'Save'. Below the toolbar, the code is displayed with line numbers from 1 to 16 on the left. The code is a C program to calculate the Fibonacci series up to a given number of elements.

```
1. #include<stdio.h>
2. int main()
3. {
4.     int n1=0,n2=1,n3,i,number;
5.     printf("enter the number of elements:");
6.     scanf("%d",&number);
7.     printf("\n%d %d",n1,n2);
8.     for(i=2;i<number;++i)
9.     {
10.        n3=n1+n2;
11.        printf(" %d",n3);
12.        n1=n2;
13.        n2=n3;
14.    }
15.    return 0;
16. }
```

Questions

CEQ29.

Write a program to print the below pattern.

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

```
C  Run Save
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. }
```

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



```
1. #include<stdio.h>
2. void main()
3. {
4.     int i,n=7,a[100],count=0;
5.     printf("Enter elements:");
6.     for(i=0;i<n;i++)
7.     {
8.         scanf("%d",&a[i]);
9.     }
10.    for(i=0;i<n;i++)
11.    {
12.        if(a[i]==2)
13.        {
14.            continue;
15.        }
16.        else if(a[i]%2==0)
17.        {
18.            count++;
19.        }
20.    }
21.    if(count>2)
22.    {
23.        printf("\nTotal num of composite nums:%d",count);
24.    }
25. }
```

C



Run

Save

```
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. }
```

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Questions

CEQ30.

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

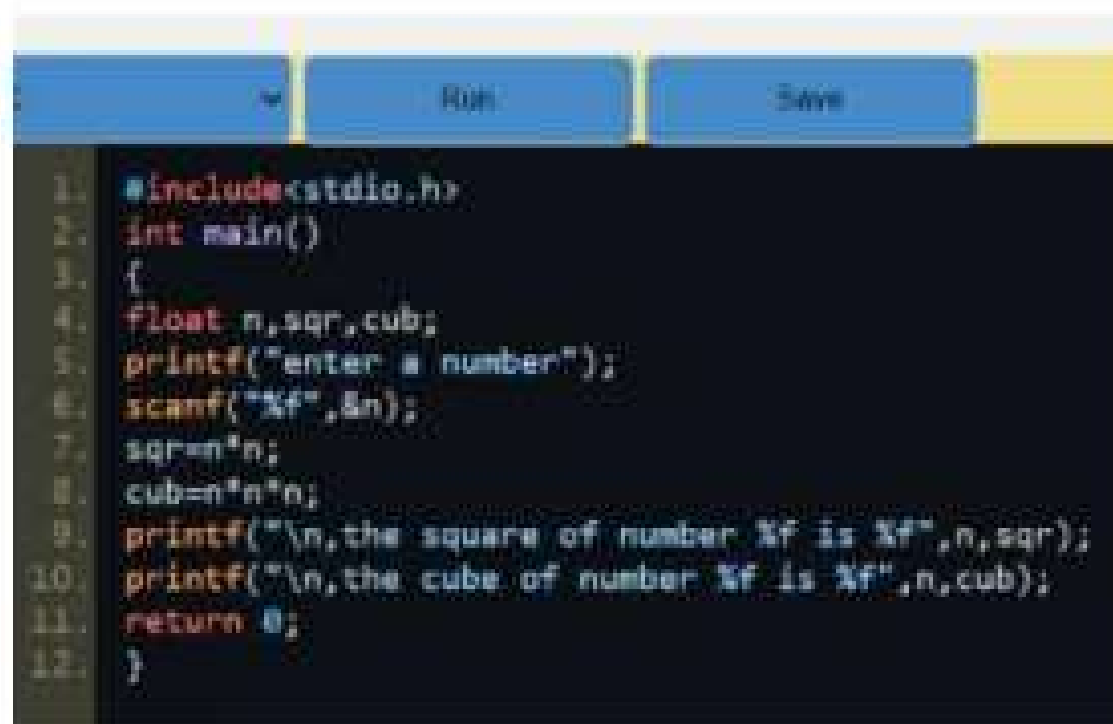
Sample Input:

Given Number: 0.6

Sample Output:

Square Number: 0.36

Cube Number:0.216



```
1. #include<stdio.h>
2. int main()
3. {
4.     float n,sqr,cub;
5.     printf("enter a number");
6.     scanf("%f",&n);
7.     sqr=n*n;
8.     cub=n*n*n;
9.     printf("\n,the square of number %f is %f",n,sqr);
10.    printf("\n,the cube of number %f is %f",n,cub);
11.    return 0;
12. }
```


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Questions

CEQ32.

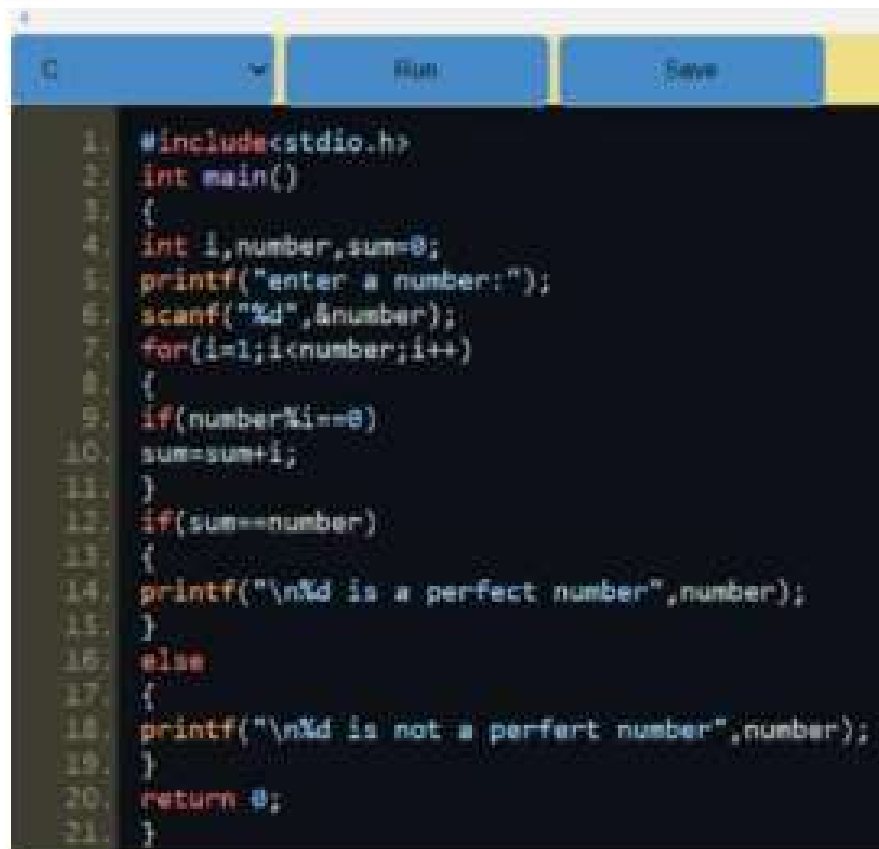
Write a program to print the given number is Perfect number or not?

Sample Input:

Given Number: 6

Sample Output:

It's a Perfect Number

A screenshot of a code editor window with a dark background. The editor has a menu bar with 'C', a dropdown arrow, 'Run', and 'Save'. The code is written in C and checks if a number is a perfect number. It includes a header, a main function, variable declarations, input handling, a loop to calculate the sum of divisors, and conditional output.

```
1. #include<stdio.h>
2. int main()
3. {
4.     int i,number,sum=0;
5.     printf("enter a number:");
6.     scanf("%d",&number);
7.     for(i=1;i<number;i++)
8.     {
9.         if(number%i==0)
10.            sum=sum+i;
11.     }
12.     if(sum==number)
13.     {
14.         printf("\n%d is a perfect number",number);
15.     }
16.     else
17.     {
18.         printf("\n%d is not a perfect number",number);
19.     }
20.     return 0;
21. }
```