

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

Test Cases

Test Condition: Implement negative Fibonacci series

CEQ29
CEQ30
CEQ31
CEQ32
CEQ33
CEQ34
CEQ35
CEQ36

```
1. #include<stdio.h>
2. int main()
3. {
4.     int n1=0,n2=1,n3,number,i;
5.     printf("enter the number");
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. }
17.
```

6

enter the number
0 11235

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adalam, Ch



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Write a program to print the below pattern.

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

```
1. #include<stdio.h>
2. #include<conio.h>
3. int main()
4. {
5.     int r,c;
6.     for(r=1;r<=4;r++)
7.     {
8.         for(c=1;c<=r;c++)
9.         {
10.            printf("%d",r);
11.        }
12.        printf("\n");
13.    }
14.    return 0;
15. }
```

4 I

1
22
333
4444

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

Test Cases

1. -45721
2. 000
3. AD1947
4. !@#\$\$
5. 145*999=144855

C

Run

Save

Logo

```
1. #include<stdio.h>
2. int main()
3. {
4.     int rem,rev=0,n;
5.     printf("enter the number");
6.     scanf("%d",&n);
7.     while(n!=0)
8.     {
9.         rem=n%10;
10.        rev=rev*10+rem;
11.        n=n/10;
12.    }
13.    printf("the reverse of the number is :%d",rev);
14.    return 0;
15. }
16.
17.
18.
```

123

enter the numberthe reverse of the
number is :321

SIMATS C IDE

172.18.49.21

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. 12
2. 0
3. -0.5
4. 14.25
5. -296

Run

Save

```
1. #include<stdio.h>
2. int main()
3. {
4.     int num,square,cube;
5.     printf("enter an integer");
6.     scanf("%d",&num);
7.     square=num*num;
8.     cube=num*num*num;
9.     printf("square of %d is:%d\n",num,square);
10.    printf("cube of %d is:%d\n",num,cube);
11.    return 0;
12. }
13.
```

12

enter an integer
square of 12 is:144
cube of 12 is:1728

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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

Test Cases

1. 12
2. 0
3. -0.5
4. 14.25
5. -296

```
1. #include<stdio.h>
2. int main()
3. {
4.     int num,square,cube;
5.     printf("enter an integer");
6.     scanf("%d",&num);
7.     square=num*num;
8.     cube=num*num*num;
9.     printf("square of %d is :%d\n",num,square)
10.    printf("cube of %d is :%d\n",num,cube)
11.    return 0;
12. }
```

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```
1. #include<stdio.h>
2. int main()
3. {
4.     int rows,i,j,space;
5.     printf("enter the number of rows: ");
6.     scanf("%d",&rows);
7.     for(i = rows;i>= 1;--i)
8.     {
9.         for(space = 0;space < rows -i;++space)
10.            printf(" ");
11.         for(j=i;j<=2*i-1;++j)
12.            printf("* ");
13.         for(j=0;j<i-1;++j)
14.            printf(" ");
15.         printf("\n");
16.     }
17.     return 0;
18. }
```

5

enter the number of rows: *****

Write a program to print hollow Rectangle Dollar pattern?

```
1. #include<stdio.h>
2. int main()
3. {
4.     int rows,cols,i,j;
5.     printf("enter rows and columns");
6.     scanf("%d %d", &rows, &cols);
7.     for(i=0;i<rows;i++)
8.     {
9.         for(j=0;j<cols;j++)
10.        {
11.            if(i==0 || i==rows-1 || j==0 || j==cols-1)
12.                printf("$");
13.            else
14.                printf(" ");
15.        }
16.        printf("\n");
17.    }
18.    return 0;
19. }
```

4
5

enter rows and columns\$
\$ \$
\$ \$
\$ \$
\$ \$ \$ \$

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

Sample Input:
Enter the number : 6561

Sample Output:
Square Root: 81, -81

1. 1225
2. 9801
3. 1827
4. -100
5. 0

```
1. #include<stdio.h>
#include<math.h>
int main()
{
    int n, a;
    scanf("%d",&n);
    a=pow(n,0.5);
    printf("%d",a);
}
```

6561

81

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Program to find whether the given number is Armstrong number or not

Sample Input:
Enter number : 153

Sample Output:
Given number is Armstrong number

1. 370
2. 1
3. 371
4. 145678
5. 0.21345

CEQ4
CEQ40
CEQ41
CEQ43

```
1. #include<stdio.h>
2. int main()
3. {
4.     int n,r,sum=0,temp;
5.     printf("enter the number:");
6.     scanf("%d", &n);
7.     temp=n;
8.     while (n>0)
9.     {
10.        r=n%10;
11.        sum=sum+(r*r*r);
12.        n=n/10;
13.    }
14.    if(temp==sum)
15.        printf("armstrong number");
16.    return 0;
17. }
18.
```

153

enter the number:armstrong number

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13:04
06-04-2023

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Write a program to find whether the person is eligible for vote or not. And if that

Sample Input:
Enter your age:7Sample output:
You are allowed to vote after 11 years

1. 25
2. Eighteen
3. 12
4. -18
5. 34.5

CEQ40

CEQ41

CEQ43

Logout

```
1. #include<stdio.h>
2. #include<conio.h>
3. int main()
4. {
5.     int age;
6.     printf("entr the age:");
7.     scanf("%d",&age);
8.     if(age<18)
9.     {
10.        printf("you are not eligible for voting:");
11.        printf("you are eligible for voting after %d years",18-age);
12.    }
13.    else
14.    {
15.        printf("you are eligible for voting");
16.    }
17.    return 0;
18. }
```

18

entr the age:you are eligible for voting

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Questions

CEQ40.

Write a program to arrange the letters of the word alphabetically in reverse order.

Sample Input:

Enter the word : MOSQUE

Sample Output:

Alphabetical Order: U S Q O M E

Test Cases

1. HYPOTHECATION
2. MATRICULATION
3. MANIPULATION
4. SATISFACTION
5. DEDICATION

CEQ38

CEQ41

CEQ43

```
1. #include<stdio.h>
2. int main()
3. {
4.     char char1='m';
5.     char char2='o';
6.     char char3='s';
7.     char char4='q';
8.     char char5='u';
9.     char char6='e';
10.    printf("the reverse of %c%c%c%c%c is %c%c%c%c%c\n",char1,char2,char3,char4,char5,char6,char6,
11.    return 0;
12. }
```

mosque

the reverse of mosque is euqsom

Type here to search



13:39

06-04-2

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