Question:-1.

```
Sol:-
```

```
1
    # include <stdio.h>
2
    int main()
4 日 {
5
        int r;
        float area, pie=3.14;
6
7
        printf("enter the radius of the circle:- ");
        scanf("%d",&r);
8
9
        area= r*r*pie;
        printf("area of the circle is:- %.02f", area);
10
11
        return 0;
12 L }
```

Question no.:-2

```
Sol:-
```

```
# include <stdio.h>
 1
    int main ()
 3 □ {
 4
        int h,b,area;
 5
        printf("enter the hight of the triangle:- ");
 6
        scanf("%d",&h);
        printf("enter the breath of the triangle:- ");
 7
        scanf("%d",&b);
 8
 9
        area= (h*b)/2;
        printf("arae of the triangle is:- %d",area);
10
11
        return 0;
12
13 L }
```

Question no.:-3

```
# include <stdio.h>
 1
    # include <math.h>
 2
 3
    int main ()
4 □ {
 5
        int n;
 6
        printf("enter the number:- ");
 7
        scanf("%d",&n);
 8
        int sum=0,c,r;
 9
        c=n;
        while (n>0)
10
11 🖨
12
            r=n%10;
            sum+=pow(r,3);
13
14
            n=n/10;
15
16
        if(sum==c)
17 🖨
            printf("number is angrstrom");
18
19
20 |
        else
21
22 🖨
23
            printf("no is not armstroong");
24
25 L }
```

Question no.:-4

```
# include <stdio.h>
 # include <math.h>
 int main ()
] {
 float t.p.r.amount.interest;
 printf("enter the princliple amount:- ");
 scanf("%f",&p);
 printf("enter the rate:- ");
 scanf("%f",&r);
 printf("enter the time period:- ");
 scanf("%f",&t);
 interest = p*pow(1+r/100,t);
 amount = interest-p;
 printf("interest:- %.02f",interest);
 printf("\ntotal amount:- %.02f",amount);
     return 0:
- }
Question no.:-5
Sol:-
# include <stdio.h>
# include <math.h>
int main()
] {
     float n;
     printf("enter your no:- ");
     scanf("%f",&n);
     float ans= pow(n,3);
     printf("cube of the number is:- %.02f",ans);
```

```
1 # include <stdio.h>
 2
    int main()
3 □ {
 4
        int n1,n2,n3;
        printf("enter the marks of 1st student:- ");
 5
 6
        scanf("%d",&n1);
 7
        printf("enter the marks of 2nd student:- ");
 8
        scanf("%d",&n2);
        printf("enter the marks of 3rd student:- ");
 9
        scanf("%d",&n3);
10
11
        if (n1<n2&&n1<n3)</pre>
12 🗦
            printf("1st studenet have lowest marks");
13
14
            if (n2<n1&&n2<n3)
15
16 🖨
            printf("2nd studenet have lowest marks");
17
18
19
            if (n3<n1&&n3<n2)
20 🗎
            printf("3rd studenet have lowest marks");
21
22
23
        return 0;
24 <sup>L</sup> }
```

Question no:-7

```
# include <stdio.h>
 2 □ int main() {
 3
      int a, b, x, y, t, gcd, lcm;
 4
      printf("Enter two integers\n");
 5
 6
      scanf("%d%d", &x, &y);
 7
 8
      a = x;
      b = y;
 9
10
11 🗀
      while (b != 0) {
12
        t = b;
13
        b = a \% b;
14
        a = t;
15
16
17
      gcd = a;
      lcm = (x*y)/gcd;
18
19
20
      printf("Greatest common divisor of %d and %d = %d\n",
21
      printf("Least common multiple of %d and %d = %d\n", x_1
22
23
      return 0;
24 <sup>L</sup> }
```

Question no:-1

Sol:-

```
# include <stdio.h>
    int main ()
 3 □ {
 4
        int n1,n2,c=0;
        printf("enter the two numbers:- ");
 5
        scanf("%d%d",&n1,&n2);
 6
 7
        c=n2;
        n2=n1;
 8
 9
        n1=c;
        printf("now your interchange no is \n1- %d \n2- %d",
10
11
        return 0;
12 L }
```

Question no:2

```
1
    #include <stdio.h>
    int main()
 2
 3 □ {
4
         int n;
         printf("enter the number:- ");
 5
         scanf("%d",&n);
6
7
         if(n\%2==0)
8 🗎
             printf("%d is even no",n);
9
10
11
         else
12 \Box
              printf("%d is odd no",n);
13
14
         return 0;
15
16 <sup>∟</sup> }
17
```

Que;-3

```
#include <stdio.h>
 1
 2
3 □ int main() {
 4
      printf("Size of Int Data Types in C = %2d bytes \n", s
5
      printf("Size of Long Int Data Types in C = %2d bytes \
      printf("Size of Float Data Types in C = %2d bytes \n",
 6
 7
      printf("Size of Double Data Types in C = %2d bytes \n"
      printf("Size of Long Double Data Types in C = %2d byte
 8
9
      printf("Size of Char Data Types in C = %2d bytes \n",
10
      return 0:
11 <sup>⊥</sup> }
```

```
Ques:-4
```

```
Sol;-
     # include <stdio.h>
 1
     int main ()
 3 □ {
 4
 5
         int n1, n2;
         printf("enter the two numbers:- ");
 6
 7
         scanf("%d%d",&n1,&n2);
 8
         n1=n1-n2;
         n2=n1+n2;
 9
         n1=n2-n1;
10
         printf("now your interchange no is \n1- %d \n2- %d",
11
         return 0;
12
13 <sup>L</sup> }
```

Ques:-5

```
# include <stdio.h>
 1
    int main()
 2
 3 □ {
        int n1,n2;
 4
 5
        printf("enter the two numbers:- ");
        scanf("%d%d",&n1,&n2);
 6
7
        n1=n1^n2;
 8
        n2=n1^n2;
        n1=n2^n1;
 9
        printf("now your interchange no is \n1- %d \n2- %d"
10
        return 0;
11
12 L }
```

# Week:-3

Question no.:-1

```
# include <stdio.h>
 2
     int main()
3 □ {
4
         char area;
 5
         int a;
 6
         printf("which area you want to calculate \n for area of rectangle type r\n for
 7
         scanf("%c",&area);
 8
         switch (area)
 9 🗀
         {
             case 'r' :
10
11
                 int 1,b;
12
                 printf("enter the length of the rectangle:- ");
13
                 scanf("%d",&1);
                 printf("enter the breath of the rectangle:- ");
14
15
                 scanf("%d",&b);
16
                 printf("area of the rectangle is:- %d",l*b);
17
                 break:
             case 't':
18
19
             int h,c;
20
             printf("enter the hight of the triangle:- ");
21
                 scanf("%d",&h);
22
                 printf("enter the base of the triangle:- ");
23
                 scanf("%d",&c);
                 printf("area of the triangle is:- %d",(h*c)/2);
24
25
                     break:
26
             case 'c':
27
                 float r,pie=3.14;
28
             printf("enter the radius of the circle:- ");
29
                 scanf("%f",&r);
30
31
                 printf("area of the circle is:- %.02f",pie*r*r);
32
                     break:
33
34
         return 0:
35 L }
```

Question. No:2

```
1
     #include <stdio.h>
 2
     #include <math.h>
 3
 4
     int main()
 5 □ {
 6
         int num, lastDigit, digits, sum, i, end;
 7
         printf("Enter upper limit: ");
 8
         scanf("%d", &end);
 9
10
         printf("Armstrong number between 1 to %d are: \n", end);
11
12
         for(i=1; i<=end; i++)</pre>
13 🗀
14
             sum = 0;
15
             num = i;
             digits = (int) \log 10(num) + 1;
16
17
             while(num > 0)
18 🖃
19
                 lastDigit = num % 10;
20
                  sum = sum + ceil(pow(lastDigit, digits));
21
                 num = num / 10;
22
23
             if(i == sum)
24 🖃
25
                 printf("%d, ", i);
26
27
28
29
30
         return 0;
31 L }
```

```
#include <stdio.h>
 2
 3 □ int main() {
 4
 5
       char op;
 6
       double first, second;
 7
       printf("Enter an operator (+, -, *, /): ");
 8
       scanf("%c", &op);
 9
       printf("Enter two operands: ");
10
       scanf("%lf %lf", &first, &second);
11
12 🖨
       switch (op) {
13
         case '+':
           printf("%.11f + %.11f = %.11f", first, second, first + second);
14
15
         case '-':
16
17
           printf("%.11f - %.11f = %.11f", first, second, first - second);
18
         case '*':
19
20
           printf("%.11f * %.11f = %.11f", first, second, first * second);
21
22
         case '/':
23
           printf("%.11f / %.11f = %.11f", first, second, first / second);
24
           break;
25
         default:
26
           printf("Error! operator is not correct");
27
28
29
       return 0;
30 L }
31
```

```
#include<stdio.h>
 1
 2
     #include<conio.h>
 3
     int main(void)
 4
 5 🖨 {
         clrscr();
 6
 7
         int h = 0, m = 0, s = 0;
         printf("Digi_Clock \n");
 8
         printf("Enter time (hh : mm : ss) \n");
 9
         scanf(" %d %d %d", &h, &m, &s);
10
11
12
     start:;
13
14 🖵
         for (h; h <= 24; h++) {
15日
16日
             for (m; m <= 60; m++) {
                  for (s; s <= 60; s++) {
17
                     clrscr();
18
19
                      printf(" %d : %d : %d \n", h, m, s);
20
                      for (double i = 0; i <= 6699000; i++) {
21 🖃
22
                          i++;
23
                          i--;
24
25
26
                  s = 0;
27
28
             m = 0;
29
30
31
         goto start;
32
         getch();
```

```
# include <stdio.h>
 2
     int main()
 3 □ {
 4
         int n1, n2, n3;
 5
         printf("enter first no:- ");
 6
         scanf("%d",&n1);
 7
         printf("enter second no: - ");
 8
         scanf("%d",&n2);
 9
         printf("enter third no: - ");
10
         scanf("%d",&n3);
11
         if(n1>n2&&n1>n3)
12 白
         {
             printf("%d is the largst no",n1);
13
14
         if(n2>n1&&n2>n3)
15
16 🖹
17
             printf("%d is the largst no",n2);
18
         if(n3>n1&&n3>n2)
19
20 🖹
21
             printf("%d is the largst no",n3);
22
23
         return 0;
24 L }
```

```
#include <stdio.h>
int main()

{
    int n;
    printf("enter the no of days in this year:- ");
    scanf("%d",&n);
    if(n==365)

{
        printf("this year is not leap year",n);
    }
    else if(n==363)

{
        printf("this is a leap year ",n);
    }
    else
    {
            printf("enter valid no of days in this year");
    }
    return 0;
}
```

```
#include <stdio.h>
1
  2
        int main()
  4 🗐 {
  5
            int n, num = 0;
  6
            printf("Enter any number to print in words: ");
  7
            scanf("%d", &n);
  8
            while(n != 0)
  9 🖳
                num = (num * 10) + (n % 10);
 10
                n /= 10;
 11
 12
 13
            while(num != 0)
 14 🖃
 15
                switch(num % 10)
 16 🖃
 17
                    case 0:
                        printf("Zero ");
 18
 19
                        break;
 20
                    case 1:
                        printf("One ");
 21
 22
                        break;
 23
                    case 2:
                        printf("Two ");
 24
 25
                        break;
 26
                        printf("Three ");
 27
                        break;
 28
 29
                    case 4:
                        printf("Four ");
 30
                        break;
 31
 32
                    case 5:
                        printf("Five ");
 33
 34
                        break;
 35
                    case 6:
 36
                        printf("Six ");
 37
                        break;
                    case 7:
 38
 39
                        printf("Seven ");
 40
                        break;
 41
                    case 8:
 42
                        printf("Eight ");
 43
                        break;
 44
                    case 9:
 45
                        printf("Nine ");
 46
                        break;
 47
 48
 49
                num = num / 10;
 50
 51
 52
            return 0;
 53 L }
```

```
#include<stdio.h>
2
      int main ()
3 🖵 {
 4
          printf("enetr the number:- ");
scanf("%d",&n);
5
6
 7
          int sum=0,c;
 8
           for(int i=1;i<n;i++)</pre>
9
10 🚍
               if(n%i==0)
11
12 🗀
13
                   sum+=i;
14
15
          if(sum==c)
16
17 🖃
              printf("%d number is perfect no",c);
18
19
20
          else
21 —
22
               printf("%d number is not perfect no.",c);
23
23 L }
```

# Sol;-

```
#include <stdio.h>
      int main()
3 🗐 {
4
           int n;
          printf("enter the number:- ");
scanf("%d",&n);
 5
 6
 7
           if(n<0)
 8 🖃
               printf("%d is negative no",n);
 9
10
11
           else
12 🚍
               printf("%d is positive no ",n);
13
14
15
           return 0;
16 L }
17
```

Question no;-10

```
# include <stdio.h>
      int main()
3 □ {
4
           int n,sum=0,sum_n=0;
          printf("enter your no:- ");
scanf("%d",&n);
while (n>0)
 5
 6
 7
8 🖨
               sum= sum+(n%10);
9
10
               n= n/10;
11
12
          while (sum>0)
13
14 🖃
15
               sum_n=sum_n+(sum%10);
16
               sum=sum/10;
17
           printf("sum of the digits of the number is: - %d",sum_n);
18
19
           return 0;
20
21 L }
```

```
# include <stdio.h>
      int main ()
 2
 3 🖵 {
 4
 5
          printf("enter the temp:- ");
 6
          scanf("%d",&a);
 7
          if(a<0)
 8
              printf("Freezing weather");
 9
10
          else if(0<a&&a<10)
11
12 🗀
13
              printf("very cold weather");
14
          else if(10<a&&a<20)
15
16 🗀
              printf("cold weather");
17
18
19
          else if(20<a&&a<30)
20 🖃
              printf("normal weather");
21
22
23
          else if(30<a&&a<40)
24 🖃
              printf("hot weather");
25
26
27
          else if(a>=40)
28 🖃
              printf("too hot weather");
29
30
          return 0;
31
32 L }
```

WEEK:-4

Question no:-1

```
#include<stdio.h>
 1
 2
 3 ☐ int main(){
 4
 5
         int x,fact=1,n;
 6
 7
         printf("Enter a number to find factorial: ");
 8
 9
         scanf("%d",&n);
10
         for(x=1;x<=n;x++)</pre>
11
12
             fact=fact*x;
13
14
         printf("Factorial of %d is: %d",n,fact);
15
16
         return 0;
17
18
19 L }
```

```
# include <stdio.h>
 2
     int main ()
 3 □ {
 4
         int n1=0,n2=1,n3,n;
         printf("enter the no of the terms of the series:- ");
 5
 6
         scanf("%d",&n);
 7
         printf("%d %d ",n1,n2);
 8
         for(int i=2;i<n;i++)</pre>
 9 🖨
10
             n3=n1+n2;
             printf("%d ",n3);
11
12
             n1=n2;
13
             n2=n3;
14
15
         return 0;
16 L }
```

Sol;-

```
#include <stdio.h>
 2
    int main ()
3 □ {
 4
         int n,count=0;
 5
         printf("enter the no :- ");
 6
         scanf("%d",&n);
 7 🖨
         do{
 8
             n/=10;
9
             count++;
10
         }while(n!=0);
         printf("no of the digits is:- %d",count);
11
12
         return 0;
13 L }
```

Question no;-4

```
# include <stdio.h>
 2 ☐ int main() {
      int a, b, x, y, t, gcd, lcm;
 3
 4
 5
      printf("Enter two integers\n");
       scanf("%d%d", &x, &y);
 6
 7
 8
      a = x;
 9
      b = y;
10
11 🖨
      while (b != 0) {
12
        t = b;
13
        b = a \% b;
14
        a = t;
15
      }
16
17
      gcd = a;
      lcm = (x*y)/gcd;
18
19
      printf("Greatest common divisor of %d and %d = %d\n", x, y, gcd);
20
      printf("Least common multiple of %d and %d = %d\n", x, y, lcm);
21
22
23
      return 0;
24 L }
```

```
# include <stdio.h>
 2 ☐ int main() {
      int a, b, x, y, t, gcd, lcm;
 3
 4
 5
      printf("Enter two integers\n");
       scanf("%d%d", &x, &y);
 6
 7
 8
      a = x;
 9
      b = y;
10
11 🖨
      while (b != 0) {
12
        t = b;
13
        b = a \% b;
14
        a = t;
15
      }
16
17
      gcd = a;
      lcm = (x*y)/gcd;
18
19
      printf("Greatest common divisor of %d and %d = %d\n", x, y, gcd);
20
      printf("Least common multiple of %d and %d = %d\n", x, y, lcm);
21
22
23
      return 0;
24 L }
```

```
#include <stdio.h>
2 = int main() {
      int n, reversed = 0, remainder, original;
3
        printf("Enter an integer: ");
4
 5
         scanf("%d", &n);
 6
         original = n;
7 🖹
        while (n != 0) {
8
             remainder = n % 10;
9
             reversed = reversed * 10 + remainder;
10
             n /= 10;
11
12
         if (original == reversed)
             printf("%d is a palindrome.", original);
13
14
         else
             printf("%d is not a palindrome.", original);
15
16
17
         return 0;
18 L }
```

```
# include <stdio.h>
2
    int main()
3 □ {
4
         int n,m,l;
         printf("enter the lsat no till which you want to print prime no:- ");
5
6
         scanf("%d",&n);
7
         printf("\n\n\t\t\t\tAll prime no between 1 to %d\t\t\t\t\t",n);
         for(int i=1;i<=n;i++)</pre>
8
9 🖨
10
             m=i;
11
             1=0;
             for(int j=2;j<m;j++)</pre>
12
13 🖨
                 if(m%j==0)
14
15 🖨
16
                      1=1;
17
                      break;
18
19
20
         if(l==0)
21
22 🖨
23
             printf("\n%d",i);
24
25
26
    return 0;
27 L }
```

```
#include <stdio.h>
 2
     int main()
3 □ {
         int i, j, cur, lastDigit, end;
 4
 5
         long long fact, sum;
         printf("Enter upper limit: ");
 6
 7
         scanf("%d", &end);
         printf("All Strong numbers between 1 to %d are:\n", end);
 8
 9
         for(i=1; i<=end; i++)</pre>
10 🗎
         {
11
             cur = i;
12
             sum = 0;
13
             while(cur > 0)
14 🖨
             {
15
                 fact = 111;
                 lastDigit = cur % 10;
16
                 for( j=1; j<=lastDigit; j++)</pre>
17
18 🗎
19
                      fact = fact * j;
20
21
                 sum += fact;
22
                 cur /= 10;
23
24
             if(sum == i)
25 🖨
                 printf("%d, ", i);
26
27
28
29
30
         return 0;
31 L }
```

```
# include <stdio.h>
2 int main ()
3早{
4
        int n;
5
        printf("enter the no whose table you want :- ");
6
        scanf("%d",&n);
        for(int i=1; i<=10; i++)
7
8 白
            printf("%d*%d=%d\n",n,i,n*i);
9
10
11
        return 0;
12 L }
```

**WEEK NO:5** 

Questio0n no.:1

#### Sol;-

```
1
    #include <stdio.h>
2
3 □ int main() {
4
         int votes[4] = {0, 0, 0, 0};
5
         int option, i;
6
         char candidates[4][20] = {"Candidate 1", "Candidate 2", "Candidate 3",
7
8 🖨
        while(1) {
9
             printf("\n**** Welcome to EVM Voting Machine ****\n");
10
             printf("Please choose your candidate:\n");
11 🗆
             for(i = 0; i < 4; i++) {
12
                 printf("%d. %s\n", i+1, candidates[i]);
13
             }
14
             printf("5. Exit\n");
15
             printf("Enter your option: ");
16
             scanf("%d", &option);
17
18 🖃
             if(option >= 1 && option <= 4) {
19
                 votes[option-1]++;
20
                 printf("\nThank you for voting!\n");
21
             } else if(option == 5) {
22
                 break;
             } else {
23
24
                 printf("\nInvalid option! Please try again.\n");
25
26
27
28
        printf("\n**** Voting Results ****\n");
29 🖨
         for(i = 0; i < 4; i++) {
             printf("%s: %d votes\n", candidates[i], votes[i]);
30
31
32
33
        return 0;
34 L }
35
```

Question no:2

```
#include <stdio.h>
    int main ()
 2
3日{
 4
         int n;
         printf("enter the no of the rows and colums in triangle:- ");
 5
         scanf("%d",&n);
 6
 7
         for(int i=1;i<=n;i++)</pre>
 8 🖨
             for(int j=1;j<=2*n-1;j++)</pre>
 9
10日
                 if(j>=n-(i-1)&&j<=n+(i-1))
11
12日
13
                     printf("*");
14
15
                 else
16日
                 printf(" ");
17
18
19
20
             printf("\n");
21
22
         return 0;
23 L }
```

```
#include <stdio.h>
     int main ()
 2
3 早 {
         int n;
 4
 5
         printf("enter the no of the rows and columns:- ");
         scanf("%d",&n);
 6
 7
         for(int i=1;i<=n;i++)</pre>
 8 🖨
 9
             for(int j=1;j<2*n-1;j++)</pre>
             if(j>=n+(i-1)&&j<=n+(i+1))
10
11 🖨
                 printf("%d",j);
12
13
             else
14
15 🖨
                 printf(" ");
16
17
18
19
         return 0;
20 L }
```

```
1
     #include <stdio.h>
 2
     int main()
 3日{
         int n;
 4
         printf("enter the no of the rows and cloumns:- ");
 5
 6
         scanf("%d",&n);
         for(int i=0;i<=n;i++)</pre>
 7
 8 🖨
             for(int j=0; j<=n; j++)</pre>
 9
10日
                 printf("%d ",i+1);
11
12
             printf("\n");
13
14
15
         return 0;
16 L }
```

```
#include <stdio.h>
2
    int main ()
3 □ {
4
         int n;
5
         printf("enter the no of the rows and columns:- ");
 6
         scanf("%d",&n);
7
         for(int i=1;i<=n;i++)</pre>
8 🖨
             for(int j=1;j<2*n-1;j++)</pre>
9
             if(j>=n+(i-1)&&j<=n+(i+1))
10
11 📮
12
                 printf("%d",j);
13
14
             else
15 🖨
16
                 printf(" ");
17
18
19
         return 0;
20 L }
```

Question no.6:-

```
#include<stdio.h>
 2
    void add();
 3
 4
     int main()
 5 □ {
 6
         add();
 7
         printf("hello\n");
 8
             add();
 9
10 L }
11
    void add()
12 □ {
13
         int a,b,c;
14
         scanf("%d%d",&a,&b);
15
         c=a+b;
16
         printf("\n sum is =%d\n",c);
17 L }
```

```
#include <stdio.h>
2
     int main()
3 🖵 {
4
         int n;
5
         printf("enter the no of stars:- ");
         scanf("%d",&n);
6
 7
         for(int i=1;i<=n;i++)</pre>
8 🖨
9
             for(int j=1;j<=n;j++)</pre>
10 🖨
             {
11
12
                  printf("%d",i);
13
             printf("\n");
14
15
16
         return 0;
17 L }
```

Sol:-

```
#include<stdio.h>
 1
 2
     #include<string.h>
 3
     int main()
4 □ {
 5
         char a[50];
 6
         gets(a);
 7
         puts(a);
 8
         int i=0,len=0,flag=0;
 9
         while(a[i]!='\0')
10 🖨
         {
11
             len++;
             i++;
12
13
14
15
         for(int i=0;a[i]!='\0';i++)
16 🖨
17
             if(a[i]!=a[len-i-1])
18 🖨
19
                 flag++;
20
                 break;
21
22
23
24
         if(flag==0)
25 🖨
26
             printf("palidrome");
27
         else
28
29 🖨
30
             printf("Not Palidrome");
31
32 L }
```

Question no;9

## Sol;=

```
#include <stdio.h>
 1
 2
     int main()
 3 □ {
4
         int n;
 5
         printf("enter the no of stars:- ");
 6
         scanf("%d",&n);
         for(int i=0;i<=n;i++)</pre>
 7
8 🖨
         {
             for(int j=0;j<=i;j++)</pre>
9
10 🖨
                  printf(" *");
11
12
             printf("\n");
13
14 -
15
         return 0;
16 L }
```

#### Question no.:10

```
#include <stdio.h>
     int main()
 2
3 □ {
 4
         int n;
 5
         printf("enter the no of stars:- ");
         scanf("%d",&n);
 6
 7
         for(int i=0;i<n;i++)</pre>
 8 🖨
         {
              for(int j=0;j<n;j++)</pre>
 9
10 🖨
                  printf("*");
11
12
              printf("\n");
13
14
15
         return 0;
16 L }
```

# Question no;-11

# Sol:-

```
#include <stdio.h>
int main()
{
    int n;
    printf("enter the no of stars:- ");
    scanf("%d",&n);
    for(int i=n;i>=0;i--)
    {
        for(int j=i;j>=0;j--)
        {
            printf(" *");
        }
        printf("\n");
    }
    return 0;
}
```

Questionno:-12

```
#include <stdio.h>
 2
    int main ()
3 □ {
 4
         int n;
 5
         printf("enter the no of the rows and colums in triangle:- ");
 6
         scanf("\n");
 7
         for(int i=1;i<n;i++)</pre>
8 🖨
             for(int j=1;j<=2*n+1;j++)</pre>
 9
10 🖨
11
                 if(j>=n-(i-1)&&j<=i+(i+1))
12 🖨
                     printf("*");
13
14 -
15
                 else
16 🖨
                 printf(" ");
17
18
19 -
20
             printf("\n");
21 -
22
         return 0;
23 L }
```