**Question 1**

Write a program to print the following pattern

1

2\*2

3\*3\*3

4\*4\*4\*4

**Solution:** #include<stdio.h>

using namespace std;

int main()

{

 int i,j,n;

 cin>>n;

 for(i=1;i<=n;i++){

   for(j=1;j<=i;j++){

     if(j<i)

       cout<<i<<"\*";

     else

       cout<<i;

return 0;

   }

**Question 2**

Write a program to print the following pattern

1

01

101

0101

10101

**Solution:**

#include<stdio.h>

#include<conio.h>

void main()

{

int i, j, n;

clrscn()’

printf(“\n Enter the value of n”);

scanf(“%d”&n);

for(i=0; i<n; i++);

{

for(j=0; j<1; j++)

{

if((i+j)%2==0)

{

printf(“\t0”);

}

else

{

printf(“\t1”);

}

}

printf(“\n”);

}

getch();

}