**1.** **Program to print the following pattern**

**1**

**2\*2**

**3\*3\*3**

**4\*4\*4\*4**

int main() {

int i,j;

for (i=1;i<=4;i++) {

for (j=1;j<=i;j++) {

if(j<i)

printf("%d\*",i); else

printf("%d",i);

}

printf(" \n");

}

return 0;

}

**2.** **Program to print following pattern-  
1  
01  
101  
0101  
10101**

#include <stdio.h>

void main()

{

int i,j,n,p,q;

printf("Input number of rows : ");

scanf("%d",&n);

for(i=1;i<=n;i++)

{

if(i%2==0)

{ p=1;q=0;}

else

{ p=0;q=1;}

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

if(j%2==0)

printf("%d",p);

else

printf("%d",q);

printf("\n");

}

}