ASSIGNMENT 2

**Question 1**

Write a program to print the following pattern

1

2\*2

3\*3\*3

4\*4\*4\*4

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

**int main()**

**{**

**int i,j,k;**

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

**{**

**k=1;**

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

**{**

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

**if(k<i)**

**{**

**printf("\*");**

**k++;**

**}**

**}**

**printf ("\n");**

**}**

**return 0;**

**}**

**Question 2**

Write a program to print the following pattern

1

01

101

0101

10101

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

**int main()**

**{**

**for(int i=1;i<=5;i++)**

**{**

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

**{**

**if(j%2==0&&i%2==0||j%2==1&&i%2==1)**

**printf("1");**

**else**

**printf("0");**

**}**

**printf("\n");**

**}**

**return 0;**

**}**