**Question 1**

**Write a program to print the following pattern**

**1**

**2\*2**

**3\*3\*3**

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

**Solution ;**

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

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

if(j!=1){

printf("\*");

printf("%d",i);}

else {

printf("%d",i);}

}

printf("\n");

}

**Question 2**

**Write a program to print the following pattern**

**1**

**01**

**101**

**0101**

**10101**

**Solution code;**

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

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

if(j!=1){

printf("01");}

else {

printf("1");}

}

printf("\n");

}