★ *PRACTICAL=18* ★

Aim:= Write a program to evaluate the series 1^2+2^2+3^2+…+n^2

Filename :=series.c

```
#include<stdio.h>
#include<conio.h>
void main()
{
int n,i,sum=0;
printf("Enter the Maximum value of series : \n");
scanf("%d",&n);
sum = (n * (n+1) * (2 * n+1))/6;
printf("Sum of these series : ");
for(i=1;i<=n;i++)
{
if(i!=n)
printf("%d^2 + ",i);
else
printf("%d^2 = %d",i,sum);
}
getch();
}
```

OUTPUT: