

```
/*1! + 2! + 3! +.....+n!*/
```

```
#include<stdio.h>
int main ()
{
int i,fact,sum,n;
printf("Enter the value of n\n");
scanf("%d",&n);
fact=1;
sum=0;
for(i=1;i<=n;i++)
{
fact=fact*i;
sum=sum+fact;
}
printf("sum=%d",sum);
return(0);
}
```

```
/* Factorial of an Integer number n!*/
```

```
#include<stdio.h>
int main()
{
int fact=1,n,i;
printf("Enter the value of n:\n");
scanf("%d",&n);
for(i=1;i<=n;i++)
{
fact=fact*i;
}
printf("Factorial=%d",fact);
return(0);
}
```

/* A program to find leap Year*/

```
#include<stdio.h>
int main ()
{
int year,check;
printf("Enter any Year\n");
scanf("%d",&year);
check=year%4;
if(check==0)
printf("The Year is a leap year:%d",year);
else
printf("The year is not a leap year:%d",year);
return (0);
}
```

/*A program to find out smallest & largest number*/

```
#include<stdio.h>
int main ()
{
int a,b,c,small,large;
printf("Enter the value of a,b,c\n\n");
scanf("%d%d%d",&a,&b,&c);
small=a;
if(b<small)
small=b;
if(c<small)
small=c;
large=a;
if(b>large)
large=b;
if(c>large)
large=c;
printf("\n\nThe smallest value is: %d", small);
printf("\n\nThe largest value is: %d\n\n", large);
return (0);
}
```

