

```

float fact(int x); // Functtion Prototype
long int fact1(int x); // Functtion Prototype
void main()
{
    float f;
    long int x,f1;
    clrscr();
    printf("Enter a no.:");
    scanf("%ld",&x);
    f1 = fact1(x);
    f = fact(x);
    printf("factorial value of %ld is %ld",x,f1);
    printf("factorial value of %ld is %.0f",x,f);
    getch();
}

float fact(int a)
{
    float f = 1;
    int i;
    for(i=1;i<=a;i++)
        f = f * i;
    return(f);
}

long int fact1(int a)
{
    long int f = 1;
    int i;
    for(i=1;i<=a;i++)
        f = f * i;
    return(f);
}

//prototype

```