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a) Write a C program accept any positive number find out factorial using function

```
int fact(int n);
void main()
{
    int n,f;
    clrscr();
    printf("\n Enter any number ");
    scanf("%d",&n);
    f=fact(n);
    printf("\n Factorial Number %d",f);
    getch();
}
int fact(int n)
{
    int i,fact=1;
    for(i=1;i<=n;i++)
    {
        fact=fact*i;
    }
    return(fact);
}
```

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b) Write a C program accept any number find out the factorial using recursion.

```
#include<stdio.h>

#include<conio.h>

int fact(int n);
void main()
    {
    int n,f;
    clrscr();
    printf("\n Enter any Number ");
    scanf("%d",&n);
    f=fact(n);
    printf("\n Factorial %d",f);
    getch();
    }
int fact(int n)
{
    if(n==1)
        return(n);
    else
        return(n*fact(n-1));
}
```