**5. program to find Factorial of a given number using Recursion:**

**Program:**

#include<stdio.h>

int facto(int n);

int main()

{

int facto(int n),num;

printf("enter the number to find the factorial of a number");

scanf("%d",&num);

int facto(int n);

printf("factorial of %d is %d",num,facto(num));

return 0;

}

int facto(int n)

{

if (n==0)

return 1;

if(n>1)

return (n\*facto(n-1));

}

