PROGRAM 5:

FACTORIAL WITH RECURSION:

#include<stdio.h>

int find\_factorial(int);

int main()

{

int num, fact;

//Ask user for the input and store it in num

printf("\nEnter any integer number:");

scanf("%d",&num);

//Calling our user defined function

fact =find\_factorial(num);

//Displaying factorial of input number

printf("\nfactorial of %d is: %d",num, fact);

return 0;

}

int find\_factorial(int n)

{

//Factorial of 0 is 1

if(n==0)

return(1);

//Function calling itself: recursion

return(n\*find\_factorial(n-1));

}

OUTPUT:

