Aim: WAP to find the factorial of a number using iterative and recursive function

Name: Jeevan Poojary

UIN: 241A028

Roll no: 24

DIV: A

Branch: AI & DS

#include<stdio.h>

int factorialIterative (int num);

int factorialIterative(int num){

int prod =1,i;

for(i=1; i<=num; i++){

prod \*=i;

}

return prod;

}

int main(){

int num;

printf("\t\t\t \*\*\* Iterative Factorial Function \*\*\*\\n\n");

printf("Enter Number:");

scanf("%d",&num);

printf("Factorial of %d is %d", num, factorialIterative(num));

return 0;

}

/\*\*\*\* Iterative Factorial Function \*\*\*\n

Enter Number:6

Factorial of 6 is 720

Process returned 0 (0x0) execution time : 3.312 s

Press any key to continue.\*/