q.check lap year or not .

#include <stdio.h>

void main()

{

int year;

printf("enter a year: ");

scanf("%d", &year);

if (year % 400 == 0)

{

printf("%d is leap year", year);

}

else if (year % 100 == 0)

{

printf("%d is not a leap year", year);

}

else if (year % 4 == 0)

{

printf("%d is leap year", year);

}

else {

printf("%d is not a leap year", year);

}

}

OUTPUT:enter a year

2020

Leap year,

q. calculate factorial of a number

#include<stdio.h>

void factorial(int);

int main()

{

int num;

printf("enter a number\n");

scanf("%d", &num);

factorial(num);

return 0;

}

void factorial(int num)

{

int count, fact = 1;

if(num == 0)

{

printf("the factorial of 0 is 1 (!0 = 1)\n");

}

else

{

for(count = 1; count <= num; count++)

{

fact = fact \* count;

}

printf("\n factorial of %d is %d \n", num, fact, num, fact);

}

}