Week 4 : Programming Assignment 3

Write a program to find the factorial of a given number using while loop.
Sample Test Cases

	Input	Output
Test Case 1	11	The Factorial of 11 is : 39916800
Test Case 2	7	The Factorial of 7 is : 5040
Test Case 3	5	The Factorial of 5 is : 120
Test Case 4	10	The Factorial of 10 is : 3628800

```c
#include<stdio.h>
void main()
{
    int n;
    long int fact;  /* n is the number whose factorial we have to find and fact is the factorial */
    scanf("%d",&n);  /* The value of n is taken from test cases */

int i=1;
fact = 1;
while(i<=n)
    {
        fact*=i;
        i++;
    }
    printf("The Factorial of %d is : %ld",n,fact);
}
```