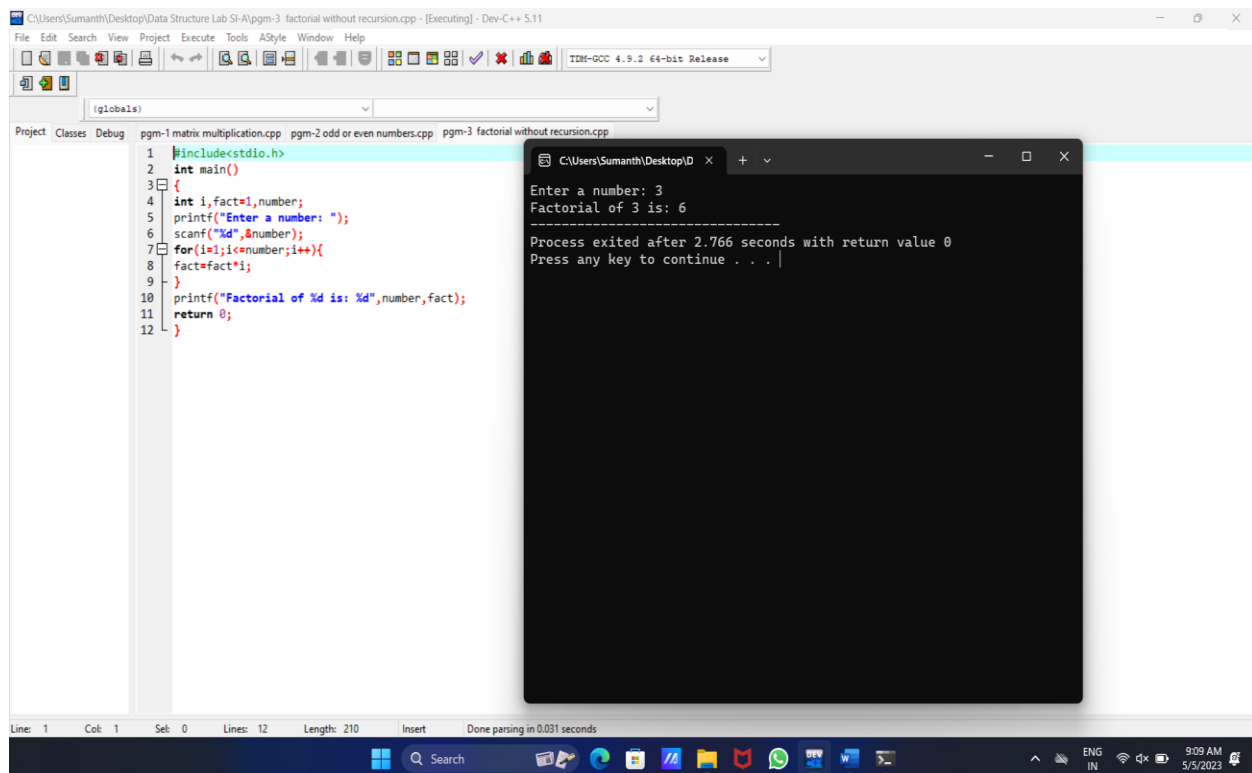


/\*3. Write a C program to find Factorial of a given number without using Recursion \*/

```
#include<stdio.h>

int main() {
    int i,fact=1,number;
    printf("Enter a number: ");
    scanf("%d",&number);
    for(i=1;i<=number;i++){
        fact=fact*i;
    }
    printf("Factorial of %d is: %d",number,fact);
    return 0;
}
```



The screenshot shows the Dev-C++ IDE with a C program to calculate the factorial of a number without using recursion. The program is named 'pgm-3 factorial without recursion.cpp' and is located at 'C:\Users\Sumanth\Desktop\Data Structure Lab SI-A\pgm-3 factorial without recursion.cpp'. The code is as follows:

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,fact=1,number;
5     printf("Enter a number: ");
6     scanf("%d",&number);
7     for(i=1;i<=number;i++){
8         fact=fact*i;
9     }
10    printf("Factorial of %d is: %d",number,fact);
11    return 0;
12 }
```

The program is executed, and the output is displayed in a console window. The output shows that the user entered the number 3, and the factorial of 3 is 6. The console window also displays the message 'Process exited after 2.766 seconds with return value 0' and 'Press any key to continue . . . |'.