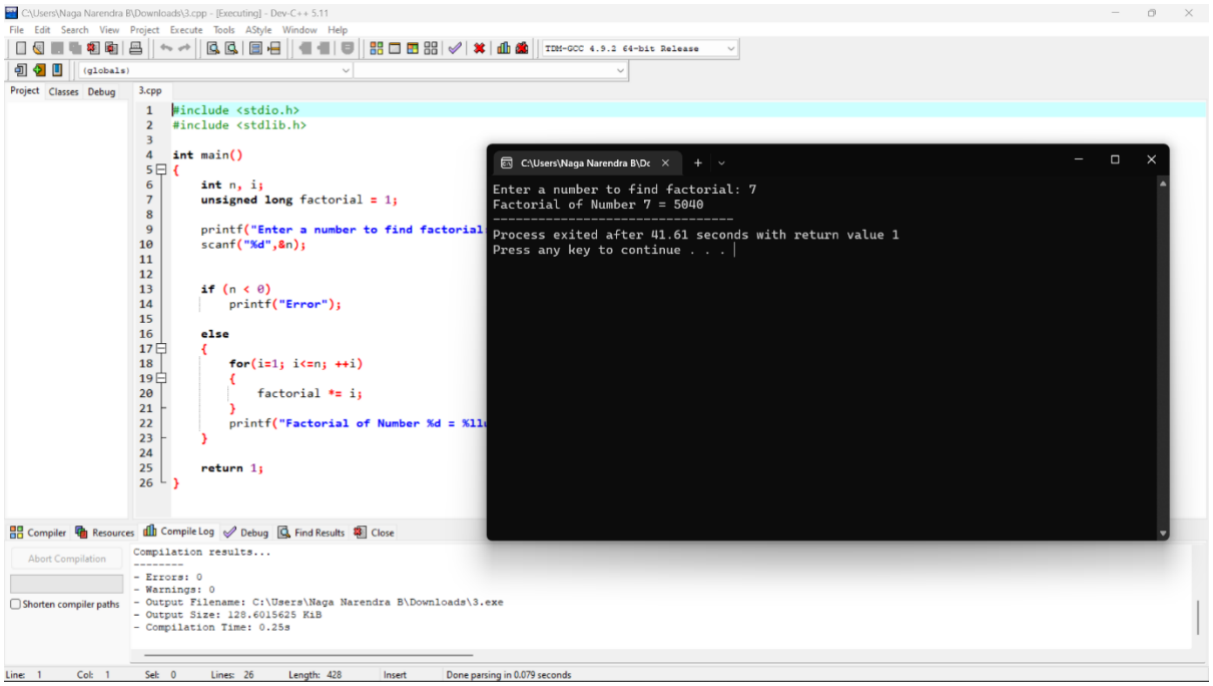
3.factorial of a number without using recursion :-

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
   int n, i;
   unsigned long factorial = 1;

   printf("Enter a number to find factorial: ");
   scanf("%d",&n);



   if (n < 0)
      printf("Error");

   else
   {
      for(i=1; i<=n; ++i)
      {
         factorial *= i;
      }
      printf("Factorial of Number %d = %llu", n, factorial);
   }

   return 1;
}
```

Output :-


C:\Users\Naga Narendra B\Downloads\3.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
3.cpp
#include <stdio.h>
#include <stdlib.h>
int main()
{
int n, i;
unsigned long factorial = 1;
printf("Enter a number to find factorial
scanf("%d",&n);
if (n < 0)
printf("Error");
else
{
for(i=1; i<=n; ++i)
{
factorial *= i;
}
printf("Factorial of Number %d = %ll
}
return 1;
}
C:\Users\Naga Narendra B\Dc
Enter a number to find factorial: 7
Factorial of Number 7 = 5040
Process exited after 41.61 seconds with return value 1
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Naga Narendra B\Downloads\3.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.25s
Line: 1 Col: 1 Sel: 0 Lines: 26 Length: 428 Insert Done parsing in 0.079 seconds