

Ain Shams University

Faculty of Engineering

Computer and Systems Engineering Department



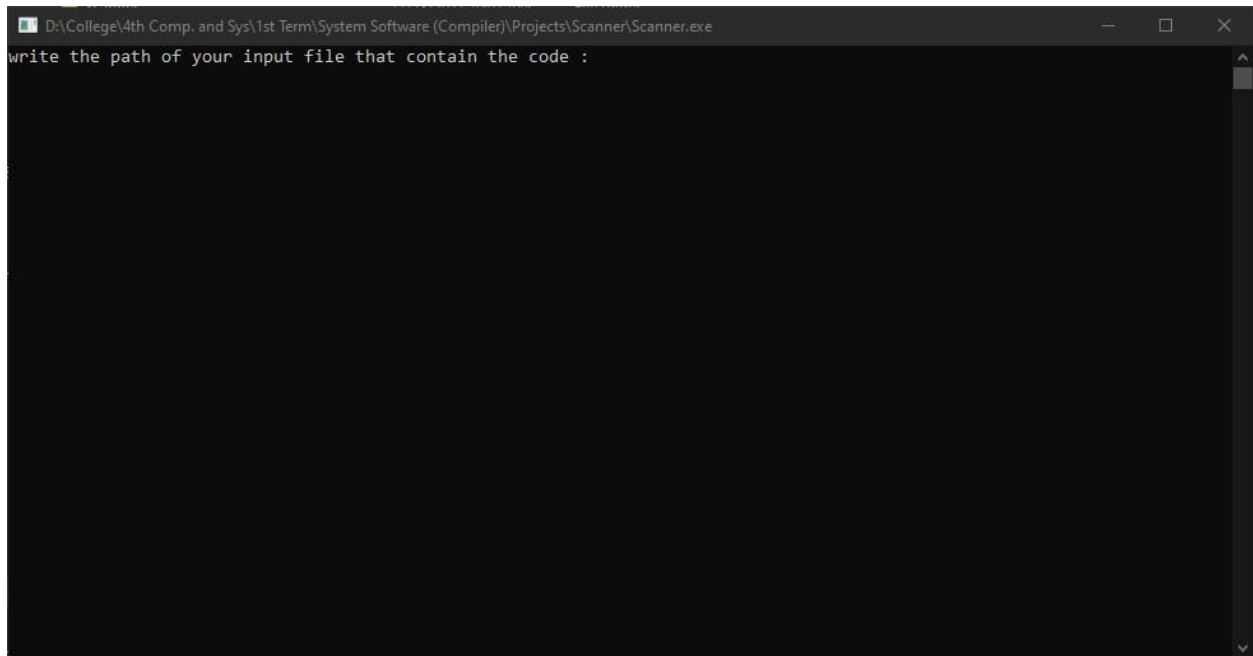
CSE422
Systems Software
Scanner (Mini Project 1)

Sec.: 3		
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Screen Shots:

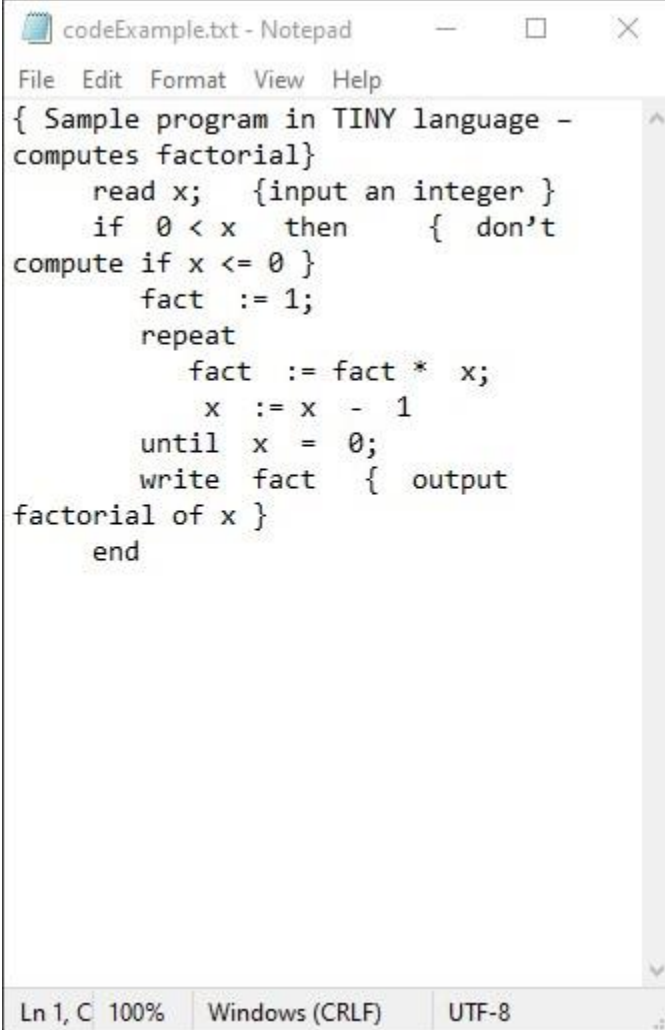
Taking the input file:

By writing the path and the name of the file with its extension that contain the code.



The input file:

The file that contains the code we work on it.

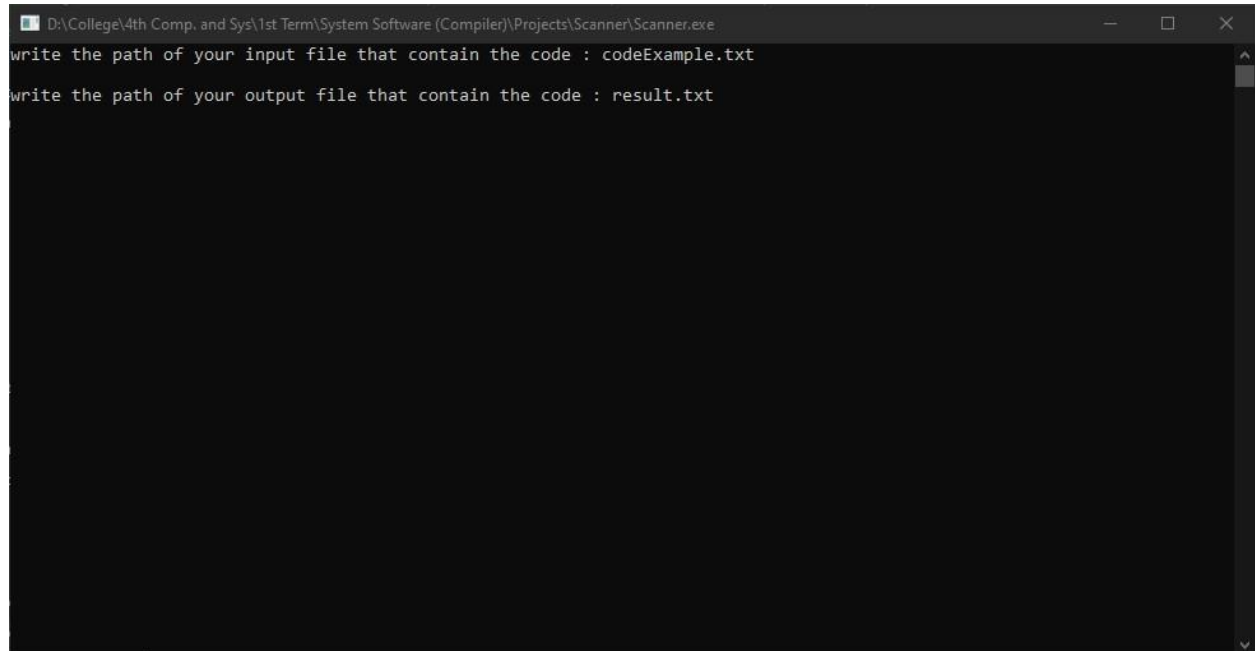


```
codeExample.txt - Notepad
File Edit Format View Help
{ Sample program in TINY language -
computes factorial}
  read x; {input an integer }
  if 0 < x then { don't
compute if x <= 0 }
    fact := 1;
    repeat
      fact := fact * x;
      x := x - 1
    until x = 0;
    write fact { output
factorial of x }
  end

Ln 1, C 100% Windows (CRLF) UTF-8
```

Taking the output:

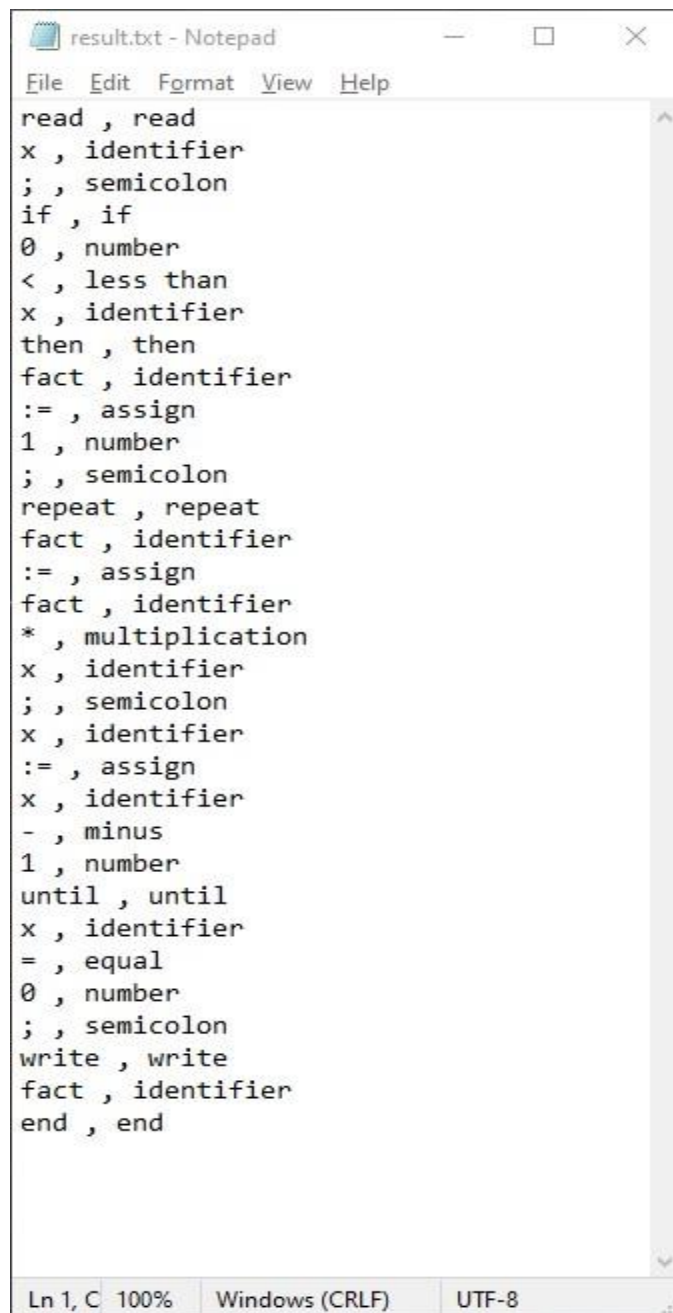
By writing the path and the name of the file with its extension that contain the code.



```
D:\College\4th Comp. and Sys\1st Term\System Software (Compiler)\Projects\Scanner\Scanner.exe
write the path of your input file that contain the code : codeExample.txt
write the path of your output file that contain the code : result.txt
```

The output file:

The file that contains the result from our code.



```
result.txt - Notepad
File Edit Format View Help
read , read
x , identifier
; , semicolon
if , if
0 , number
< , less than
x , identifier
then , then
fact , identifier
:= , assign
1 , number
; , semicolon
repeat , repeat
fact , identifier
:= , assign
fact , identifier
* , multiplication
x , identifier
; , semicolon
x , identifier
:= , assign
x , identifier
- , minus
1 , number
until , until
x , identifier
= , equal
0 , number
; , semicolon
write , write
fact , identifier
end , end
Ln 1, C 100% Windows (CRLF) UTF-8
```

Link of the Drive that Contains Demo, Source Code, and the exe:

https://drive.google.com/drive/folders/1ltVEEqL3vEwoKZY9-pm-9VcUi29_sqSJ?usp=sharing