MAK1062 PROGRAMMING

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Room: E1/10

Textbook :

C How to Program, Paul Deitel & Harvey Deitel, 7/e

Week	Subject
#1	Basic programming techniques and languages
#2	Algorithms and flow diagrams
#3	Introduction to C Programming languages
#4	Selection structures
#5	Loops
#6	Functions – Quiz 1
#7	Arrays
#8 (Midterm Week)	Midterm exam 1
#9	Pointers
#10	Pointers
#11	Structures
#12	Input-output processes – Quiz 2
#13	Characters and strings
#14	File processing
#15 (Final Week)	Final exam

Exams and grading:

Two midterm exams : 8th and 13thweeks

One final exam : 15th week

The grading distribution for the exams is as follows:

Midterm 1 :	20%
Midterm 2 :	40%
Final Exam :	40%
Total :	100%

Absence policy:

According to University policy, %80 regular attendance is required.

What is IDE?

Integrated Development Environment

An **integrated development environment** (**IDE**) is a software application that provides comprehensive facilities to computer programmers for software development. An IDE normally consists of at least a source code editor, build automation tools and a debugger. Some IDEs, such as NetBeans and Eclipse, contain the necessary compiler, interpreter, or both; others, such as SharpDevelop and Lazarus, do not. [Wikipedia]

Top IDEs for C or C++ Developers in 2021 & Beyond!

https://blog.eduonix.com/software-development/top-10-ides-c-c-developers/

Some of these IDEs are:

Eclipse
Code::Blocks
GNAT Programming Studio
Visual Studio Code
Codelite
NetBeans 8
Dev C++
...

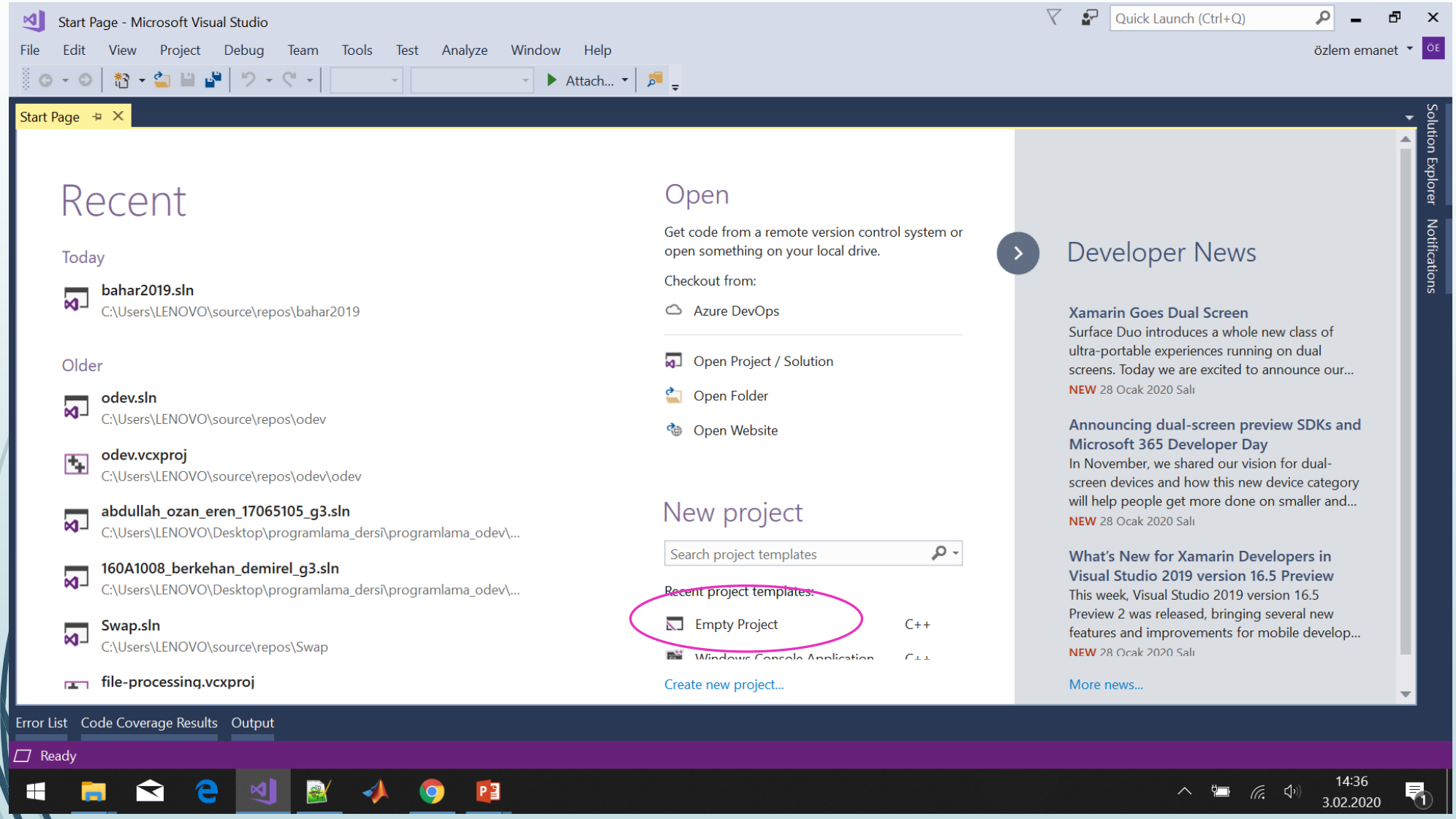
These are free.

We use Visual Studio in the classroom.

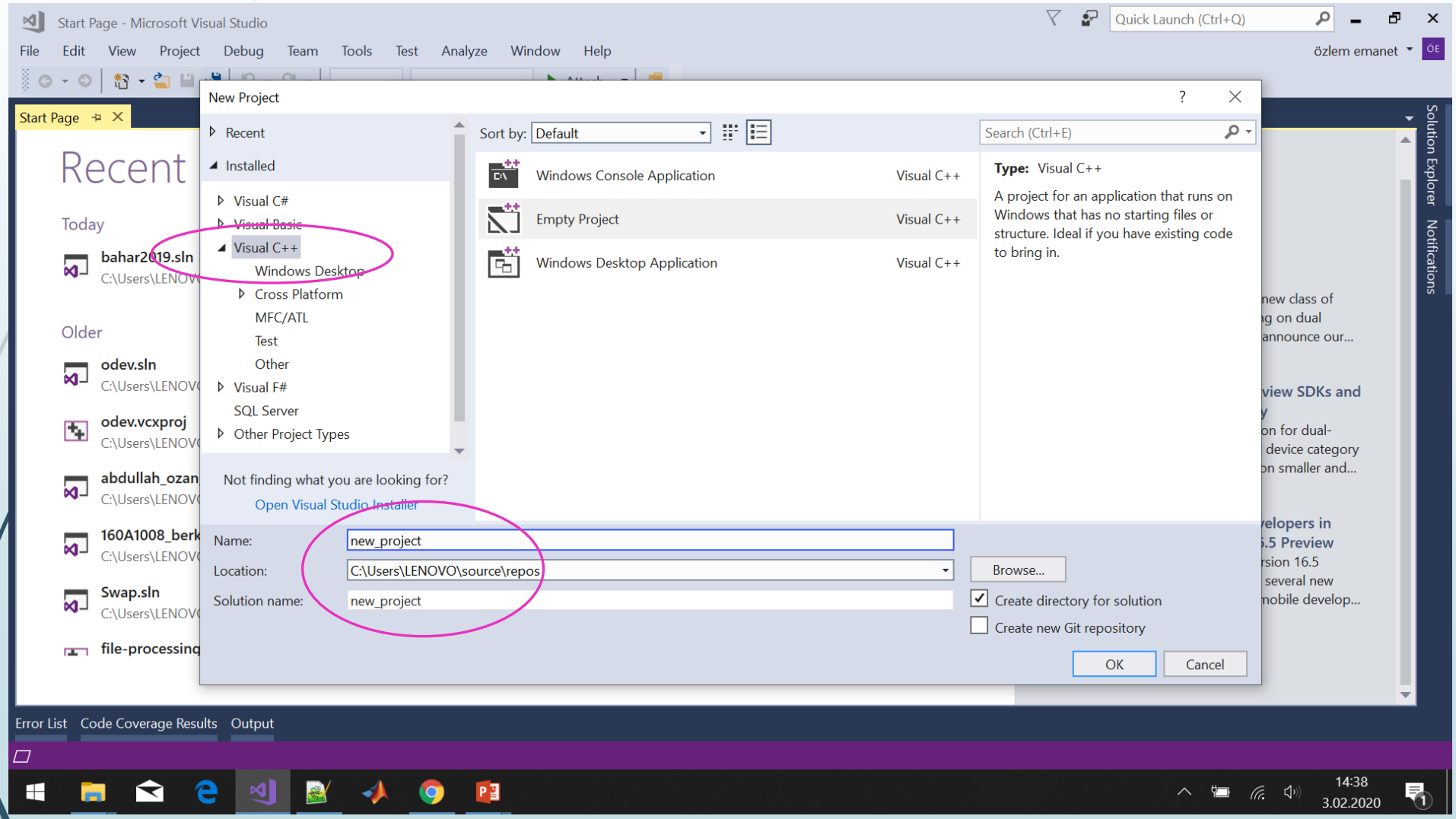
- For the instructions of installing Visual Studio Community

https://docs.microsoft.com/en-us/visualstudio/install/install-visual-studio?view=vs-2022

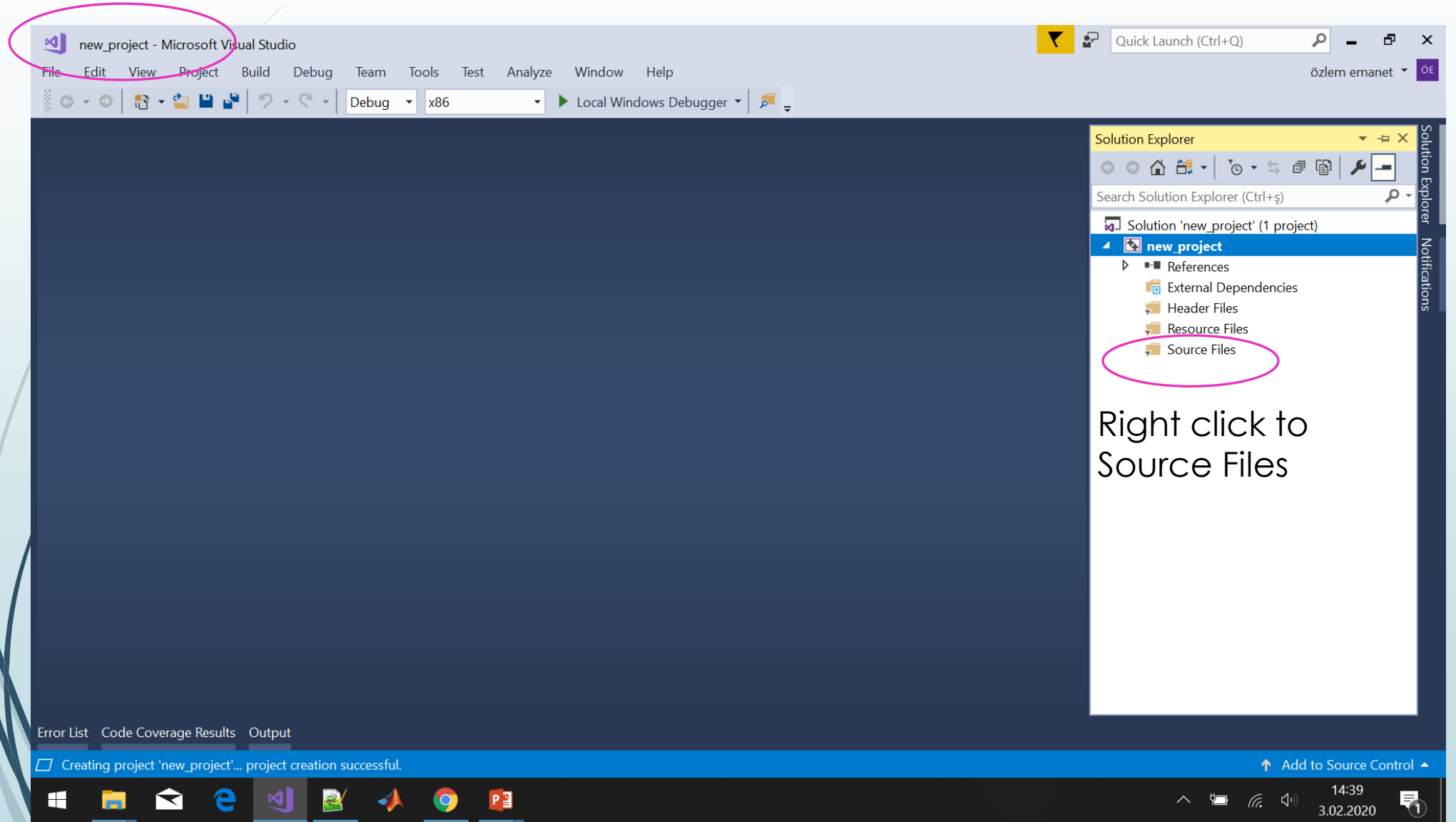
Visual Studio



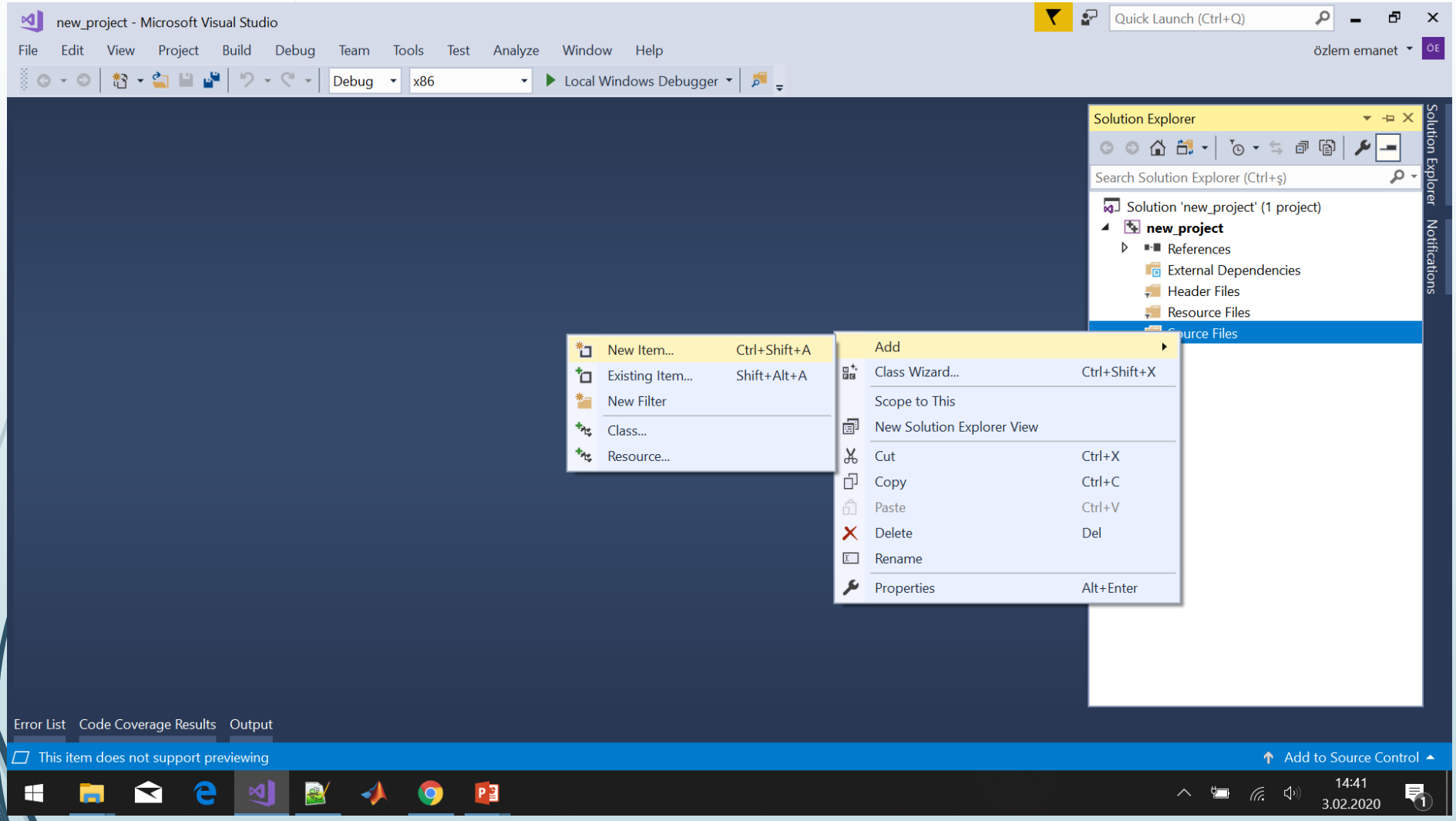
Creating a new project



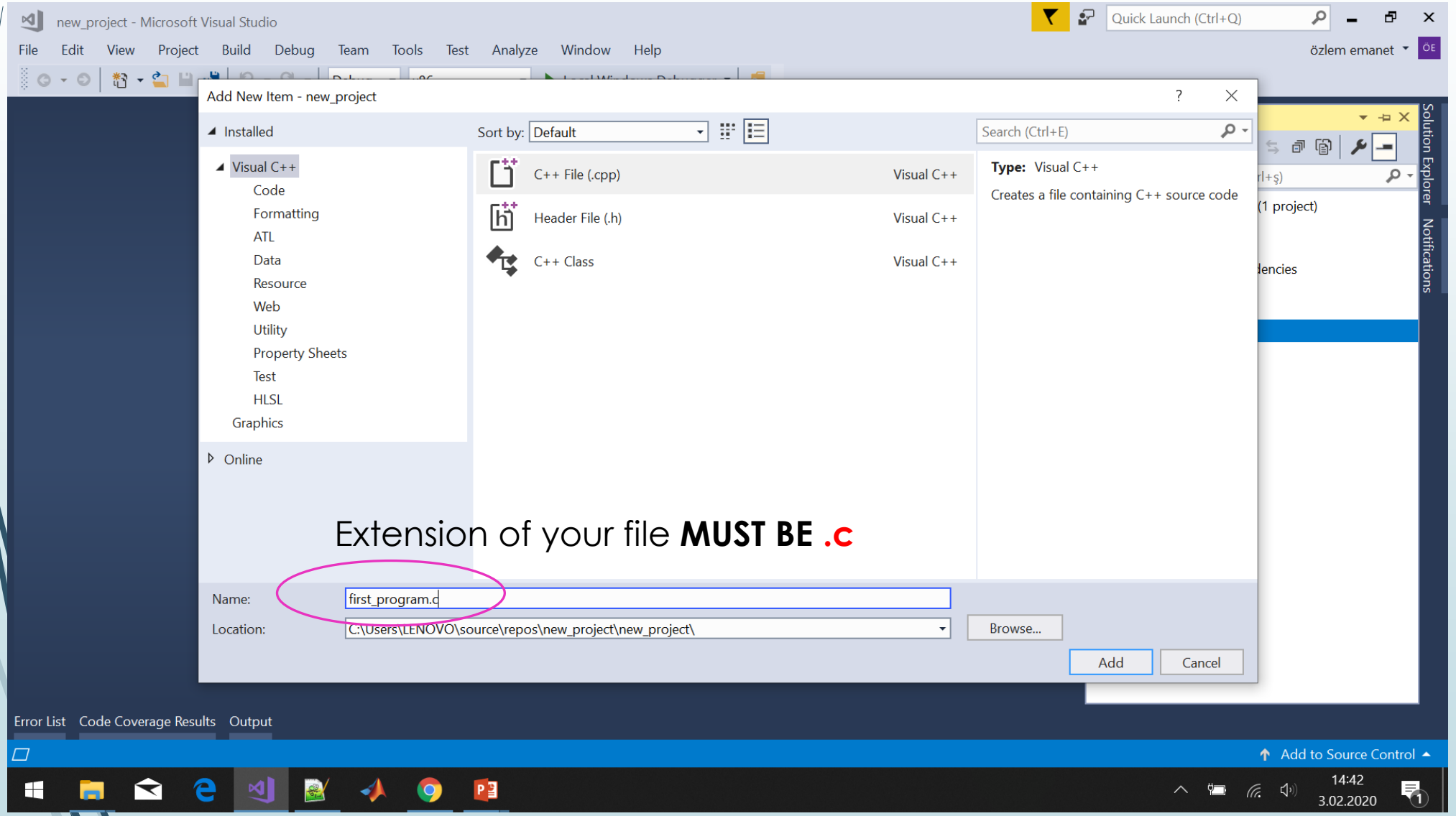
New project screen



Opening a new source file



Saving a new .c file



Your program file