✓ 100 XP

Prepare for guided project

5 minutes

You'll be using the .NET Editor as your code development environment. You'll be writing code that uses string and numeric variables, performs calculations, then formats and displays the results to a console.

Project overview

You're developing a Student GPA Calculator that will help calculate students' overall Grade Point Average. The parameters for your application are:

- You're given the student's name and class information.
- Each class has a name, the student's grade, and the number of credit hours for that class.
- Your application needs to perform basic math operations to calculate the GPA for the given student.
- Your application needs to output/display the student's name, class information, and GPA.

To calculate the GPA:

- Multiply the grade value for a course by the number of credit hours for that course.
- Do this for each course, then add these results together.
- Divide the resulting sum by the total number of credit hours.

You're provided with the following sample of a student's course information and GPA:

```
Output

Student: Sophia Johnson

Course            Grade    Credit Hours
English 101           4        3
Algebra 101           3        3
Biology 101           3        4
Computer Science I    3        4
Psychology 101        4        3


Final GPA:            3.35
```

Setup

Use the following steps to prepare for the Guided project exercises:

1. Open the .NET Editor coding environment.

2. Copy and paste the following code into the .NET Editor. These values represent the student's name and course details.

```C#
string studentName = "Sophia Johnson";
string course1Name = "English 101";
string course2Name = "Algebra 101";
string course3Name = "Biology 101";
string course4Name = "Computer Science I";
string course5Name = "Psychology 101";

int course1Credit = 3;
int course2Credit = 3;
int course3Credit = 4;
int course4Credit = 4;
int course5Credit = 3;
```

Now you're ready to begin the Guided project exercises. Good luck!

Module complete:

Unlock achievement

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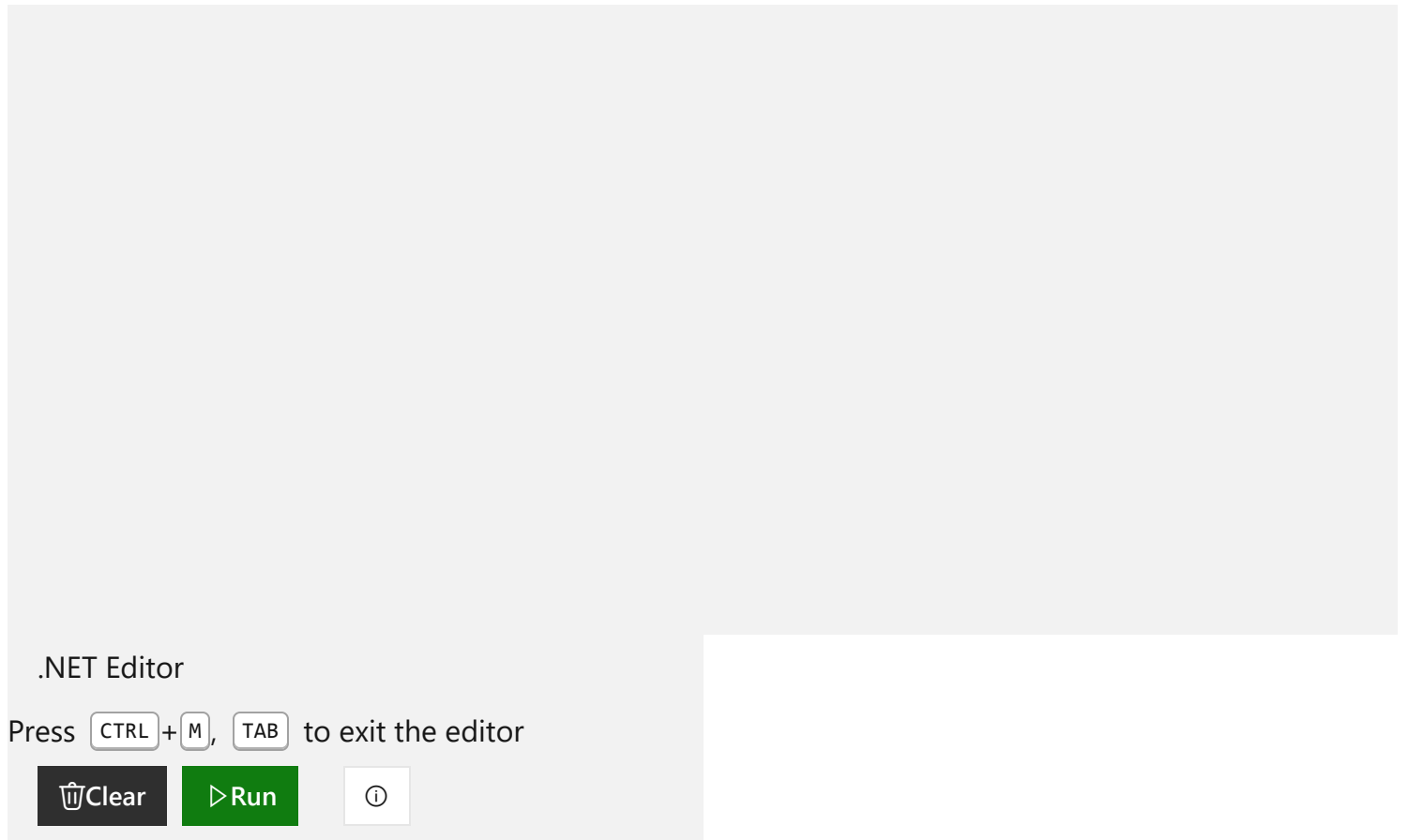Manage cookies   Previous Versions   Blog   Contribute   Privacy   Terms of Use   Trademarks

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.NET Editor

Press `CTRL`+`M`, `TAB` to exit the editor

🗑Clear   ▷Run   ⓘ

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Output   ☺