

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, and displays results to a console.

Project overview

You're developing a Student Grading application that automates the calculation of current grades for each student in a class. The parameters for your application are:

- You're given a short list of four students and their five assignment grades.
- Each assignment grade is expressed as an integer value, 0-100, where 100 represents 100% correct.
- Final scores are calculated as an average of the five assignment scores.
- Your application needs to perform basic math operations to calculate the final grades for each student.
- Your application needs to output/display each student's name and final score.

Currently, the teachers grade book shows the graded assignments for each student as follows:

Sophia: 93, 87, 98, 95, 100

Nicolas: 80, 83, 82, 88, 85

Zahirah: 84, 96, 73, 85, 79

Jeong: 90, 92, 98, 100, 97

The teacher requires that the calculated grades for each student are displayed as follows:

Student	Grade
Sophia	94.6 A
Nicolas	83.6 B

Zahirah	83.4	B
Jeong	95.4	A

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 graded assignments for each student.

C#

```
// initialize variables - graded assignments
int currentAssignments = 5;

int sophia1 = 93;
int sophia2 = 87;
int sophia3 = 98;
int sophia4 = 95;
int sophia5 = 100;



int nicolas1 = 80;
int nicolas2 = 83;
int nicolas3 = 82;
int nicolas4 = 88;
int nicolas5 = 85;

int zahirah1 = 84;
int zahirah2 = 96;
int zahirah3 = 73;
int zahirah4 = 85;
int zahirah5 = 79;

int jeong1 = 90;
int jeong2 = 92;
int jeong3 = 98;
int jeong4 = 100;
int jeong5 = 97;
```

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

Module complete:

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.NET Editor

Press  + ,  to exit the editor Clear Run

1

Output



