

## **Activity 11**

Dalton J Danz

CST-150

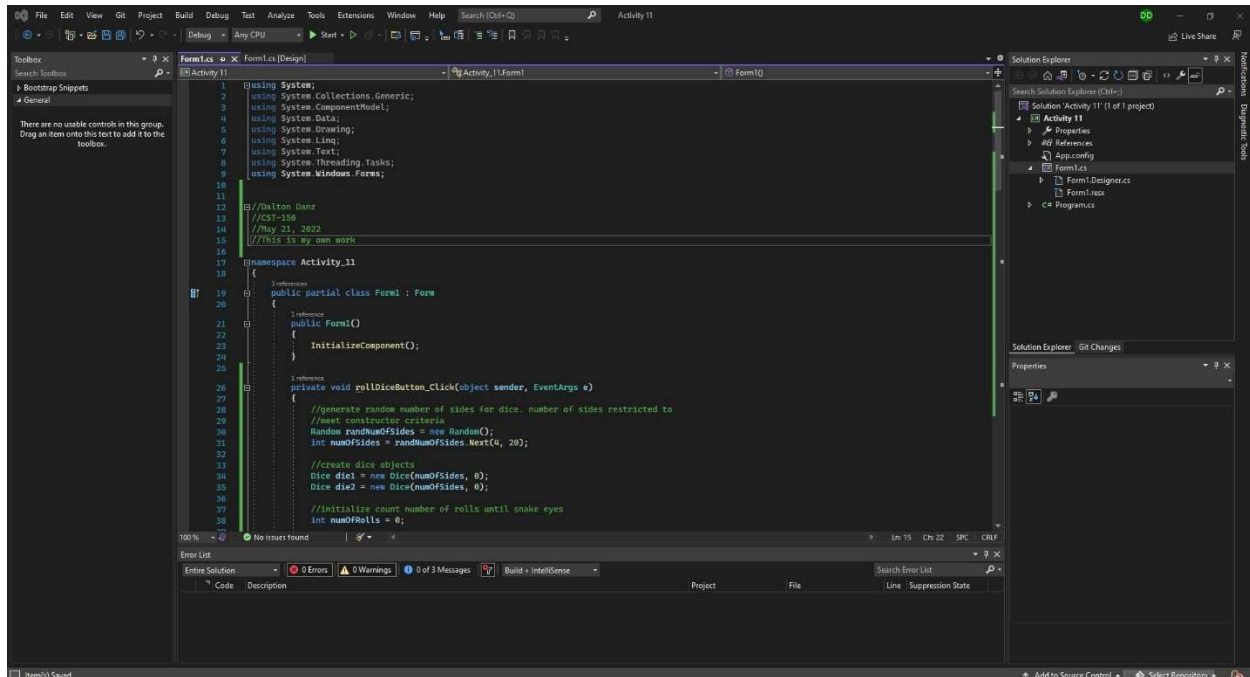
Prof. Mark Smithers

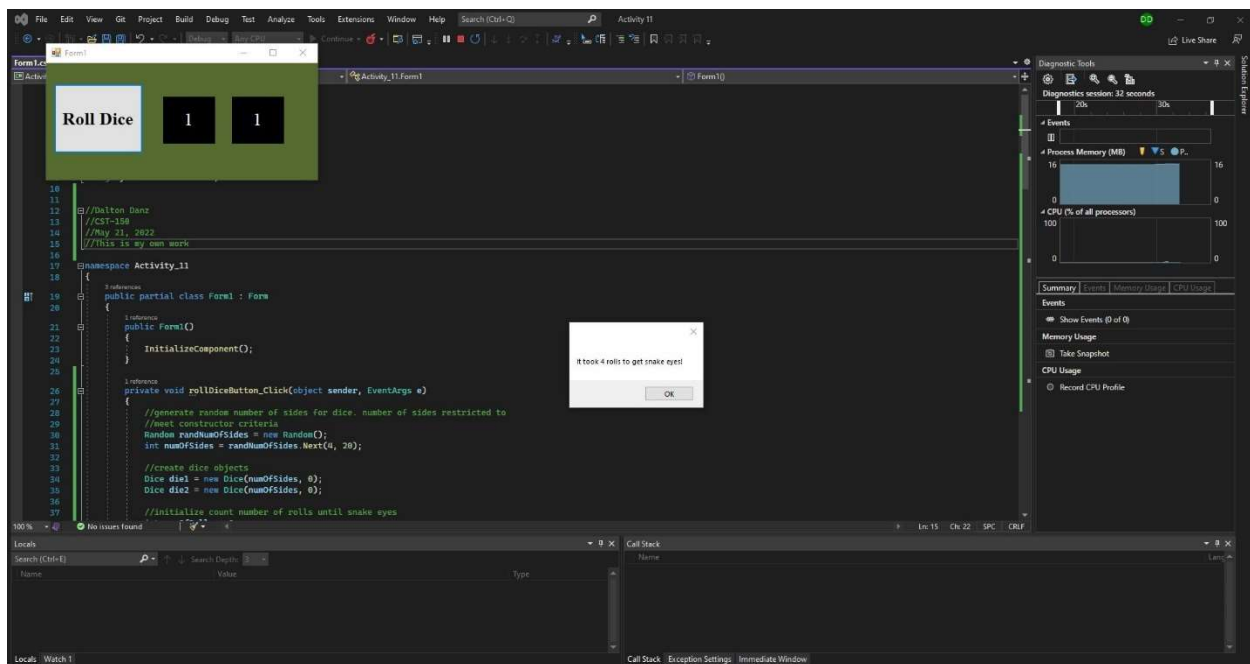
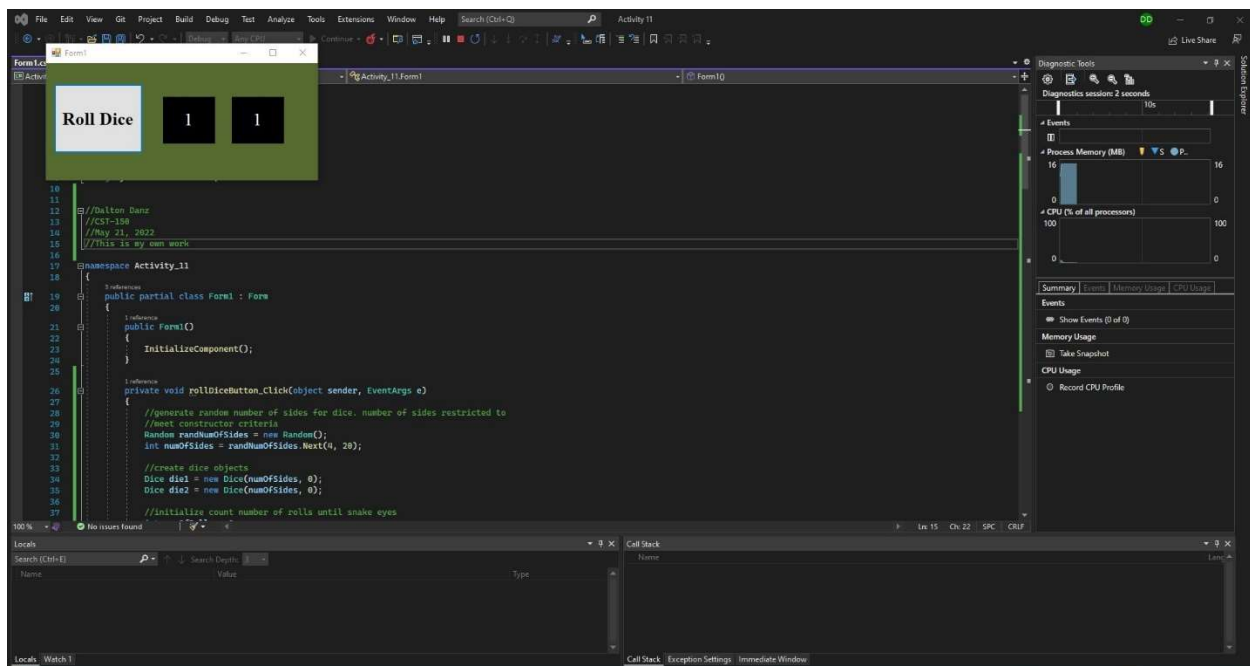
May 21, 2022

Link to files:

<https://github.com/Naralla/CST-150-Submissions/tree/main/Activity%2011%20Submission>

This program uses the C# language. This program's goal is to create two dice objects. Then it will roll those dice and get a random result. Once the dice rolled both result in a one, the program stops and shows how many rolls were needed to reach that result. This program could be improved by being able to show the dice as they are rolling.





Visual Studio IDE showing a C# application running. The application window displays "Roll Dice" and two dice showing "1". The code in the background is as follows:

```
10
11
12 //Dalton Danc
13 //CST-158
14 //May 21, 2022
15 //This is my own work
16
17 namespace Activity_11
18 {
19     public partial class Form1 : Form
20     {
21         public Form1()
22         {
23             InitializeComponent();
24         }
25
26         private void rollDiceButton_Click(object sender, EventArgs e)
27         {
28             //generate random number of sides for dice. number of sides restricted to
29             //meet constructor criteria
30             Random randomNumOfSides = new Random();
31             int numOfSides = randomNumOfSides.Next(4, 20);
32
33             //create dice objects
34             Dice die1 = new Dice(numOfSides, 0);
35             Dice die2 = new Dice(numOfSides, 0);
36
37             //initialize count number of rolls until snake eyes
```

The right-hand side of the IDE shows the Diagnostic Tools window, which includes a summary of the diagnostic session (1:28 minutes), a list of events, and graphs for Process Memory (MB) and CPU (% of all processors). The bottom of the IDE shows the Locals and Call Stack windows.

Visual Studio IDE showing the same C# application running. The application window displays "Roll Dice" and two dice showing "1". The code in the background is as follows:

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