Activity: Fix the Pizza Takeaway Program

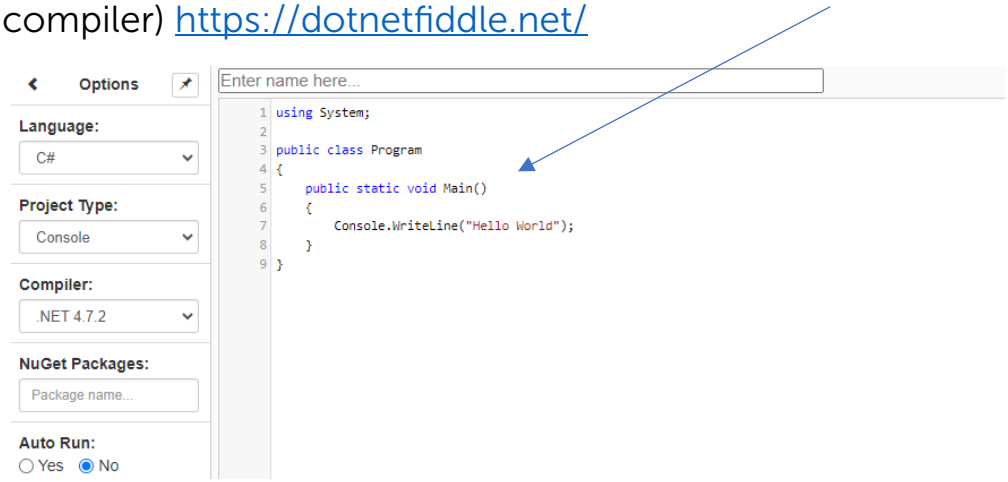
Objectives:

1. Understand and fix the syntax errors in the C# code below.
2. Explain the purpose and functionality of each section of code.

Learn the C# syntax here:
https://www.w3schools.com/cs/index.php

Instructions:

1. Type the code below (pg. 2 onwards) in .NET Fiddle (online compiler) https://dotnetfiddle.net/



2. Identify and fix the syntax errors in the code. Every line of code that shows  contains one or more errors.
3. Each error should be described and corrected.
4. Explain the purpose and functionality of the code in your own words (describe what the program does at each step).
5. Run the fixed program and test it with different input values to ensure it functions correctly.

COPY THE CODE EXACTLY AS SHOWN BELOW

```
1  using System;
2
3  public class Program
4  {
5      public static void Main()
6      {
7          Console.WriteLine("Welcome to the Pizza Takeaway!");
8          Console.WriteLine("Please select your pizza size:);
9          ConsoleWriteLine("1. Small");
10         Console.WriteLine("2. Medium")
11         Console.WriteLine("3. Large");
12
13         int sizeChoice = GetIntegeInput("Enter your choice: ");
14
15         double price == 0.0;
16         string size = ""
17
18         switch (sizeChoice
19         {
20             case 1:
21                 price = 5.99;
22                 size = "Small";
23                 break;
24             case 2
25                 price = 7.99;
26                 size = "Medium";
27                 break;
28             cast 3:
29                 price = 9.99;
30                 size = "Large";
31                 break
32             default
33                 Console.WriteLine("Invalid choice!");
34                 return
35         }
36
37         Console.WriteLine("You have selected a " + size + " pizza.");
38
39         Console.WriteLin("Please select your pizza base:");
40         Console.WriteLin "1. Thin Crust";
41         Console.WriteLin("2. Deep Dish");
42         Console.WriteLin("3. Stuffed Crust")
43
44         in baseChoice = GetIntegeInput("Enter your choice: ")
45
46         string baseType = "";
```

```
48          stitch (baseChoice)
49          {
50              case 1:
51                  baseType = "Thin Crust";
52                  break;
53              case 2:
54                  baseType = "Deep Dish";
55                  break;
56              case 3:
57                  baseType = "Stuffed Crust";
58                  break;
59              default:
60                  Console.WriteLine("Invalid choice!");
61                  return;
62          }
63
64          Console.WriteLine("You have selected a " + baseType + " pizza.");
65          Console.WriteLine("The price is: £" + price.ToString("F2"));

67          Console.WriteLine("Would you like any additional toppings?");
68          Console.WriteLine("1. Yes");
69          Console.WriteLine("2. No");
70
71          int toppingChoice = GetIntegerInput("Enter your choice: ");
72
73          double totalPrice == price;
74

75          if (toppingChoice == 1)
76          {
77              double toppingPrice = 1.5;
78
79              Console.Writeine("Please enter the number of toppings: ")
80              in toppingCount = GetIntegerInpu("Enter your choice: ")
81
82              totalPrice = price + (toppingPrice * toppingCount);
83              Console.WriteLine("The total price is: £" + totalPrice.ToString("F2"));
84          }
85          else if (toppingChoice = 2)
86          {
87              Console.WriteLine("The total price is: £" + totalPrice.ToString("F2"));
88          }
89          else
90          {
91              Console.WriteLine("Invalid choice!");
92          }
93      }
```

```
95      static int GetIntegerInput(string message)
96      {
97          int input
98          bool isValid
99
100         do
101         {
102             Console.Write(message);
103             isValid = int.TryParse(Console.ReadLine, out input);
104
105             if (!isValid)
106             {
107                 Console.WriteLine("Invalid input. Please enter a valid integer.");
108             }
109         } while (!isValid);
110
111         return input;
112     }
113
114
```