

Selected files

1 printable files

01_DATA_TYPES\03_CONTROL_FLOW\Program.cs

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```
1 using System;
2
3 namespace _01_REGION
4 {
5     class Program
6     {
7         static void Main(string[] args)
8         {
9             Console.WriteLine("=== CONTROL FLOW EXAMPLES ===");
10
11             #region If - Else If - Else Example
12             // The 'if' statement is used to execute code based on a condition.
13             // 'else if' and 'else' allow checking additional conditions or fallback.
14             int number = 15;
15
16             if (number < 10)
17             {
18                 Console.WriteLine("Number is less than 10");
19             }
20             else if (number >= 10 && number <= 20)
21             {
22                 Console.WriteLine("Number is between 10 and 20");
23             }
24             else
25             {
26                 Console.WriteLine("Number is greater than 20");
27             }
28             #endregion
29
30             #region Switch Case Example
31             // 'switch' is used to select one of many blocks of code to be executed.
32             // It matches a value with predefined cases.
33             string day = "Tuesday";
34
35             switch (day)
36             {
37                 case "Monday":
38                     Console.WriteLine("Start of the week.");
39                     break;
40                 case "Tuesday":
41                     Console.WriteLine("Second day of the week.");
42                     break;
43                 case "Friday":
44                     Console.WriteLine("Almost weekend!");
45                     break;
46                 default:
```

```
47         Console.WriteLine("Some other day.");
48         break;
49     }
50     #endregion
51
52     #region Break and Continue Example in Loop
53     // 'break' exits the loop entirely.
54     // 'continue' skips the current iteration and moves to the next one.
55     Console.WriteLine("Loop Example:");
56     for (int i = 1; i <= 10; i++)
57     {
58         if (i == 3)
59         {
60             Console.WriteLine("Skipping 3 using continue");
61             continue; // Skip the rest of the loop when i is 3
62         }
63         if (i == 7)
64         {
65             Console.WriteLine("Breaking loop at 7");
66             break; // Exit the loop when i is 7
67         }
68         Console.WriteLine("i = " + i);
69     }
70     #endregion
71 }
72 }
73 }
74 }
```