```
 1  namespace Lab4
 2  {
 3      using System;
 4      using System.Net.Http;
 5      using System.Threading.Tasks;
 6      using System.Net.Http.Json;
 7
 8      class Program
 9      {
10          static async Task Main(string[] args)
11          {
12
13              using var httpClient = new HttpClient();
14
15
16              string baseUrl = "https://localhost:7227/";
17
18              try
19              {
20                  int celsius = 20;
21                  var responseCtoF = await httpClient.GetAsync(baseUrl +
                        $"CtoF?c={celsius}");
22                  responseCtoF.EnsureSuccessStatusCode();
23                  var fahrenheitString = await
                        responseCtoF.Content.ReadAsStringAsync();
24                  var fahrenheit = double.Parse(fahrenheitString);
25                  Console.WriteLine($"Converted Celsius to Fahrenheit:
                        {fahrenheit}");
26
27                  int fahrenheit1 = 68;
28                  var responseFtoC = await httpClient.GetAsync(baseUrl +
                        $"FtoC?f={fahrenheit1}");
29                  responseFtoC.EnsureSuccessStatusCode();
30                  var celsiusString = await
                        responseFtoC.Content.ReadAsStringAsync();
31                  var celsius1 = double.Parse(celsiusString);
32                  Console.WriteLine($"Converted Fahrenheit to Celsius:
                        {celsius1}");
33
34                  var responseDateTime = await httpClient.GetAsync(baseUrl
                        + "DateTime");
35                  responseDateTime.EnsureSuccessStatusCode();
36                  var dateTime = await
                        responseDateTime.Content.ReadAsStringAsync();
37                  Console.WriteLine($"Current Date and Time: {dateTime}");
38
39                  int ron = 58;
40                  var responseCurCon = await httpClient.GetAsync(baseUrl +
                        $"RonEur?r={ron}");
41                  responseCurCon.EnsureSuccessStatusCode();
42                  var eurString = await
                        responseCurCon.Content.ReadAsStringAsync();
43                  var eur = double.Parse(eurString);
```

```
44                  Console.WriteLine($"Converted Ron to Eur: {eur}");
45
46                  var responseElements = await httpClient.GetAsync(baseUrl ⮡
                        + "List");
47                  responseElements.EnsureSuccessStatusCode();
48                  var elementsJson = await                                   ⮡
                        responseElements.Content.ReadAsStringAsync();
49                  Console.WriteLine($"List of Elements: {elementsJson}");
50              }
51          catch (HttpRequestException e)
52          {
53              Console.WriteLine($"Request failed: {e.Message}");
54          }
55      }
56  }
57
58 }
```