Day 5: Logical Tasks

1. Create a console application to search weather data by Zip Code. User can enter Zip Code as a search term.
   a) Implement search algorithm to find appropriate record and display result to the console.
   b) Apply SOLID principles (open the application for new algorithm).

```csharp
// Raw data: Country, Zip Code, City, Temperature, Wind speed
IEnumerable<Weather> weather = new List<Weather>
{
        new Weather("Serbia", 21000, "Novi Sad", 8, 2.68M),
        new Weather("Serbia", 11000, "Belgrade", 17, 3.13M),
        new Weather("Germany", 80335, "Munich", 24, 3.6M),
        new Weather("Sweden", 10316, "Stockholm", 4, 5.81M),
        new Weather("UK", 56273, "London", 2, 1.54M),
        new Weather("France", 70213, "Paris", 27, 2.68M),
        new Weather("Italy", 30100, "Venice", 17, 2.24M),
        new Weather("Italy", 20019, "Milano", 19, 0.89M),
        new Weather("Serbia", 23000, "Zrenjanin", 9, 0.51M),
        new Weather("Netherland", 10110, "Amsterdam", 9, 4.12M)};
}
```

2. Filter given list of data by following criteria:
   a) Temperature – *exact equal*, *great than* and *less than*.
   b) Country name – *exact name* and *starts with*.