**Purpose**: Understand the ML.NET pipeline and identify the type of problems that can be solved with ML.NET

## Question 1                                                                              *[6 marks]*

1.1 In your own words, list two problems that regression algorithms can be used to solve and why, based on their characteristics. [1 mark]
1.2 In your own words, List two problems that belong to classification problem and why, based on their characteristics. [1 mark]
1.3 In your own words, List two problems that can be solved by using clustering algorithm(s) and why, based on their characteristics. [1 mark]
1.4 In your own words, what is anomaly detection? [1 mark]
1.5 Use an app example to illustrate what the ML.NET pipeline is [2 marks]

## Question 2                                                                              *[5 marks]*

Implement C# application to predict the medical cost by using ML.NET based on the dataset insurance.csv

## Question 3                                                                              *[5 marks]*

Implement C# application to predict student's knowledge level by using ML.NET based on the dataset Student.csv and readme.txt

[**Hint**] you can do it by mimicking the tutorial at https://docs.microsoft.com/en-us/dotnet/machine-learning/tutorials/iris-clustering