

## Homework 12:

**Exercise 1.** a) Give a design for class **Email** as the following form:

|                                 |                 |
|---------------------------------|-----------------|
| Class name                      | Email           |
| Class Variables                 |                 |
| Attributes (Instance Variables) | User_name, .... |
| Methods (functions of class)    | send, ...       |

b) Implement the above class with python code.

**Exercise 2.** Give a design for the class **CreditCard** and then implement it with Python code.

**Note:** The score for this homework depends on the clarity and complexity of the design.