This assignment is designed to help you better understand text `files`, `strings`, `sets`, and `dictionaries` in python. Note that you may find the `in` operator helpful on various cases; try them out during your solution.

Submission:

- You must put all your work in one Folder named based on your Name and ID. Then compress this folder into one .rar or .zip file and upload your compressed file into your account on the JUST *e-learning* system.

Requirements:

1. [10 Points] Write an interactive python script with console base MENU (*menu driven application*) that allows the user to read a simple text file and be able to select one of the following options:

   0: [1 Points] to read a text file and print its total number of characters
   1: [1 Points] to print the total number of letters in the file
   2: [1 Points] to print the total number of unique characters in the file
   3: [1 Points] to print the frequency of each character in the file
   4: [1 Points] to print the frequency of each lower case letter in the file ('a-z')
   5: [1 Points] to print the frequency of each upper case letter in the file ('A-Z')
   6: [1 Points] to print the frequency of each lower case vowel in the file ('aeiou')
   7: [1 Points] to print the frequency of each upper case vowel in the file ('AEIOU')
   8: [1 Points] to print the frequency of each digit in the file ('0123456789')
   9: [1 Points] to Exit

   The above menu should be always present for the user, each time the user selects a number the result is printed on the screen and the menu is re-printed once again for the user to remember what to select next. This menu keeps asking the user to select an integer until the user selects/enters a 9, which is designed to print out "Thanks and Good Bye" and exits the execution.

   Note: Save your solution in a script named hw3.py
           Each option in the above menu will be graded out of 1 point
           The total assignment will be graded out of 10
           Your script will be tested on our sample text file ☺
           Please make sure your calculations are correct ☺