

1. Create a program to create a text file with the name `sample.txt`. And, print a `sample.txt` contents as below output.

**Expected output:**

Welcome to file handling exercises.

Have a nice day

2. By using the same `sample.txt` file, add-in the contents. The expected output is as below.

**Expected output:**

Welcome to file handling exercises.

Have a nice day

How are you?

## Question

A college has appointed you as a programmer to computerize their assessment activities. As a first assignment, you are required to write a program in Python to allow instructors to create quiz for the module that they are teaching. The questions and the right answer for each question should be permanently written in a file. On the other hand, the program should allow students to take the quiz any number of times. The following guide can help you to build the solution:

- i. Write a function called `createQuiz` that reads in quiz questions, options outlined under each of them, and the correct answer for each of them as well. The function should store all these values in a *list* called `quiz` and return it.
- ii. Write a function called `saveQuiz` that accepts `quiz list` and writes it into a file called `quiz.txt`.
- iii. Write a function called `takeQuiz` that reads the `quiz.txt` file. The function then should display each question on the screen and prompt for input from the user. Ultimately the function should display the total score of the user on the screen.
- iv. Write a function called `menu` to provide options for users to select. Ultimately your program should call `menu` function and other functions are called in the `menu` function based on the user's selection.

Note: You may create a quiz on any module/subject of your interest. There should be at least 5 questions created for the quiz with four options (options A, B, C, and D) under each of them.

Additional exercise:

Expand your program so that it can work for more than one module

1. Create login options so only Admin/Lecturers are allowed to create quizzes and students can only take quizzes.
2. Record the best score for each student in a file.