The aim of the task is to create a quiz which tests different subjects at different difficulties. The user will start by entering their name and their age – the program will then create a username using the first three letters of their name and an age. This, along with a password the user is requested to make, will be saved to an external text file. The user will then choose the subject of the quiz and the difficulty. The program should then load the corresponding quiz. Each subject should have an Easy, Medium, and Hard difficulty; each quiz should have five questions and a number of choices depending on difficulty – three for Easy, four for Medium, and five for Hard. These quizzes should be premade and on subjects of your choice. The user's score increases by 1 every right answer – wrong answers do not change the score. The user's percentage and grade should be calculated (grade boundaries are to your discretion) and displayed to the user. The user's username, quiz choice and grade should then be saved to an external text file. The program should end with a display of a leaderboard, showing the top five usernames along with their quiz choice and grade.

Develop a program that:

- Is user friendly i.e. welcomes the user to the quiz, says goodbye, refers to them by name etc.
- Creates a username based on the user's name and age and stores the username and password to an external text file.
- Loads the correct quiz based on the user's choice (the tests should be premade – minimum two subjects, each with Easy, Medium, and Hard difficulty,
- Marks the user's quiz and calculates their score, percentage, and grade.
- Displays the results of the quiz and saves the user's details to an external text file, separate to the text file of usernames and passwords.