

## Objective 10: Challenges

You should attempt one difficulty ✖ challenge, one difficulty ✖✖ challenge, and one difficulty ✖✖✖ challenge.

### RPG attributes challenge

Difficulty: ✖

Write a program that allows the user to enter the attributes for a character in an RPG game. This includes their name, attack and defence capability between 0 and 100. The program should write the data to a file.

Write a second program that reads the data from the file and writes it to the screen.

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### Quote of the day challenge

Difficulty: ✖✖

Write a program that outputs a random 'quote of the day', stored in a text file, created in Notepad. e.g. "If you fell down yesterday, stand up today".

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### Product catalogue challenge

Difficulty: ✖✖✖

Create a program that allows the user to:

- Enter a new product to add to the catalogue.
- Output the items in the catalogue.
- Find a product in the catalogue and output the price.

All data must be saved and read from a file.