Begin with you appearing on-screen displaying your Student ID card and verbally stating your full   
name and student number

Hi, my name is Marco, and today I am recording this video for scripting language assessment 3 software-based solution.

This video is to demonstrate the functionality of the script

First of all, we are going to run the script, then we choose a server access log file After that, we can select one search criteria from the menu than we get to choose between 4 different protocols, we selected UDP.[1]

Next step will be choosing a file name which has to be unique. (log1) As you can see here, we have created a new file and populate with the filtered rows in the script directory and printed on terminal as well [2]

Any log file records in which the CLASS field is set to normal are automatically excluded[3]

I the new search we are going to select PACKETS field than enter a number for the search and select one option from the menu. Where we can choose to search for PACKETS greater than 10.[4]

For the next search we are going to select SRC\_IP and enter a portion of the search criteria (ex) and it does not matter if is lowercase as al searches are case insensitive.[5]

A full run-through of your code demonstrating the two (2) Advanced Functional Requirements in   
action you chose to implement

The two advanced functionalities implemented are:

the search in all log files

the BYTES and PACKETS calculation.

In fact, from the file log menu we can select number 6 all, then select the search criteria and choose a file name as you can see, we performed the search in all files.

Next, we are going to calculate the number of the bytes in server log 1 base on the search criteria.

Explain how you have addressed Usability, Reliability and Efficiency Requirements 1 through 8,   
pointing to specific example(s) in the code and code output in each case.

With -i flag we ensure the case insensitivity of the search input in other words the user can perform the search using lower or capital case letter evenly.

The command COLUMN is used to output the search results on the terminal in columns.

Additionally, the inputs that doesn’t meet the criteria are to be re-entered after the error message.

Invalid input and prompt for a new search.

Moreover, the script is dynamic and responds to user inputs in an efficient way. And the users can conduct as many searches as they want/. however, the script can be terminated from any menus by selecting exit option.

All inputs are intuitive and displayed with appropriate spacing distance.