Week06 Assignment (Due: Oct 29th at 11:30PM)

Question)

A witness reported that a vehicle has hit another vehicle when it was getting out of a parking spot in a mega shopping mall. The witness could only identify the make and the color of the guilty car but not its license plate. The mega shopping mall only monitors the entering vehicles from the single entrance of its parking lot by recording the make, color, and license plate number of the entering vehicles. We have given the log file (`logfile.txt`) of all vehicles on the date of the accident. Assuming that the guilty car is a white Nissan, and the accident took place around 2:15pm, write a Fortran program to identify those plate numbers entered before the accident time. Your code should create an output text file named `output_plates.txt` and lists the license plate(s), and hour & minute of entry(ies) following the below sentence & header.

```
The below-listed license plate(s) should be contacted:
Plate        hr  min
```

Note: In your output file, between the plate numbers and hour should be five spaces and between hour and minute should be two spaces.

Hint: Lecture06 materials, and the EECS2501-Additional Examples.pdf

Save your programs as Your_name.f90 or Your_name.f95 and upload (Total upload: 1 file).

Rubric)
2/2:   Code works properly and presentation on the screen is <u>exactly the same</u> as instructed.
1.25/2:   Code finds the targets properly but presentation on the screen has missing info.
0.75/2:   Code does not work properly and provide wrong findings.
0.5/2:   Code does not work properly due to an error(s).
0/2:   No submission.