Assignment 2

Instructions:

- All questions must be in single notebook.
- You must follow the file naming conventions, submission file should be named as RollNo.ipynb/.py (i.e. i20-xxxx.ipynb where xxxx is your Roll Number)
- Make use of headings for each question in notebook.
- Any question with Error is not acceptable.
- Late submissions are not allowed and will be marked zero.
- **You are only allowed to use simple Python, NumPy and Pandas to solve this assignment. You are not allowed to use any library which is not taught yet.**
- **You are not allowed to manually manipulate the timetable.**

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1. Read Fast Islamabad's Timetable Using Pandas. [5]
2. Remove Un necessary Top Rows using pandas. [5]
3. Return all the classes of the particular subject (Ask from User) along with Time, Day and Room Number. [15]
4. Ask the list of Subjects from user and return the classes the of these subjects along with Time, Day and Room Number. [15]
5. Return the Empty slots of the given Day (Monday, Tuesday, Wednesday, Thursday, Friday). [10]
6. Which Classroom is less busy in overall week. [10]
7. Which Lab is the busiest lab in the overall week, return its name. [10]

Bonus marks:

Read the timetable along with coloring information and display all classes of particular batch (User input) in a week along with Time, Room # and Day.