

As an online appointment booking manager, I would like to assign doctor to a patient based on the SPECIALITY and AVAILABILITY of the doctor.

The doctors will have to mention their availabilities for this platform beforehand. For example, Doctor A of specialty Pediatrician can only be available on Wednesdays 3PM-5PM and Fridays 1PM-2PM.

The appointment will be booked based on the particular doctor's availability and also previously booked appointments.

For example

Doctor A Pediatrician* has availability on Tuesdays 2-4 PM

Doctor B Pediatrician* has availability on Tuesdays 1-4 PM

Doctor C Pediatrician* has availability on Mondays 1-4 PM

Doctor D ENT* has availability on Wednesdays 1-4 PM

Doctor E ENT* has availability on Thursdays 1-4 PM

INPUT 1

Patient P1 wants an appointment with a Pediatrician on June 9, 2020, which is a Tuesday from 2 – 2.30 PM

OUTPUT

Appointment has been booked for patient P1 with *Doctor A* for June 9, 2020 at 2pm

INPUT 2

Patient P2 wants an appointment with a Pediatrician on June 9, 2020, which is a Tuesday from 2 – 2.30 PM

OUTPUT

Appointment has been booked for patient P1 with *Doctor B* for June 9, 2020 at 2pm

INPUT 3

Patient P3 wants an appointment with a Pediatrician on June 9, 2020, which is a Tuesday from 2 – 2.30 PM

OUTPUT

No doctor available for checkup on the given date and time. Please check back with a different date/time.

Assumptions

1. SPECIALITY can be PEDIATRICIAN, ENT and GP
2. For simplicity sake, appointments can be booked only up to 7 days. For example, if I am booking an appointment today 4th May 2020, I can book only up to 10th of May 2020.

*Pediatrician- A medical practitioner specializing in children and their diseases.

*ENT- A physician specializing in medical conditions of the ear, nose, throat, and neck.