4.2 Practical Exercises

Q1. Create the required set of tables that can store the following patient information. Choose the appropriate data types for each.

A patient, named Ahmad Mahmoud, born on the 1/1/1995, lives in Birzeit, ID number 33244423 and his tel number is 023222323, Ahmad had tommy pain two weeks ago. Ahmad range his Doctor, Dr Khalid, clinic and his receptionist, Huda, and she booked him an appointment at 11:15 on that day. Ahmad explained to Huda on the telephone that he is suffering from a tommy pain, which is record on the system. Dr Khalid saw Ahmad at 11:30 that day and diagnosed him with stomach bug and he prescribed him to take Paracetmol 500mg, one tablet 3 times a day, and Spasmanol 20 mg, 2 tablets two times a day, to ease the pain.

Q2. Building on the tables you have created above in Q1, expand your records/tables to store the following patient information.

After one week, Ahmad was still suffering from an abdominal pain and he range the receptionists, Huda, at his doctor's clinic. He explained that he was still suffering from tommy pain, which she recorded on the system. She booked him an appointment to see his General physician, Dr Khalid, tomorrow, at 10:10 in the morning. Ahmad came in at the clinic and he was first seen by the clinic nurse, Rida, at 10:15. Rida measured Ahmad's vital signs, including his blood pressure and temperature, which came out normal at 120/80 mmgHg and 37 C degree respectively.

Q3. Building on the tables you have created above in Q2, expand your records/tables to store the following patient information.

Dr Khalid then seen Ahmad at 11:00 and examined him. He asked Ahmad to do a white blood count lab test. Ahmad did the test on the same day, his white blood count came out as normal at 6.5 b/l, which he has shown to his doctor. Dr Khalid then referred Ahmad to another Gastroenterologists or a specialist doctor.

Q4. Analyse the above scenarios and patient case and identify the different types of patien (personal and medical) information, representing each type as a table.

Q5. Draw how these tables are related to each other. Compare the types of information yo identified to the openEHR general patient model

Hint: Think of data organized across the following Tables and data fields as suggested below

Tables: Patient, Clinic, Appointment, Receptionist, Doctor, Nurse, Encounter, Vital_Sign Lab_Tests, Diagnosis, Medications.