

*# Package: entity*

*# Patient class*

class **Patient**:

**def** **\_init\_**(*self*, patientId, firstName, lastName, dateOfBirth, gender, contactNumber, address):

*self*.patientId = patientId

*self*.firstName = firstName

*self*.lastName = lastName

*self*.dateOfBirth = dateOfBirth

*self*.gender = gender

*self*.contactNumber = contactNumber

*self*.address = address

**def** **\_str\_**(*self*):

**return** f"Patient ID: {*self*.patientId}, Name: {*self*.firstName} {*self*.lastName}, DOB: {*self*.dateOfBirth}, Gender: {*self*.gender}, Contact: {*self*.contactNumber}, Address: {*self*.address}"

*# Doctor class*

class **Doctor**:

**def** **\_init\_**(*self*, doctorId, firstName, lastName, specialization, contactNumber):

*self*.doctorId = doctorId

*self*.firstName = firstName

*self*.lastName = lastName

*self*.specialization = specialization

*self*.contactNumber = contactNumber

**def** **\_str\_**(*self*):

**return** f"Doctor ID: {*self*.doctorId}, Name: {*self*.firstName} {*self*.lastName}, Specialization: {*self*.specialization}, Contact: {*self*.contactNumber}"

*# Appointment class*

class **Appointment**:

**def** **\_init\_**(*self*, appointmentId, patientId, doctorId, appointmentDate, description):

*self*.appointmentId = appointmentId

*self*.patientId = patientId

*self*.doctorId = doctorId

*self*.appointmentDate = appointmentDate

*self*.description = description

**def** **\_str\_**(*self*):

**return** f"Appointment ID: {*self*.appointmentId}, Patient ID: {*self*.patientId}, Doctor ID: {*self*.doctorId}, Date: {*self*.appointmentDate}, Description: {*self*.description}"