class Person:

def \_\_init\_\_(self, firstName, lastName, gender, dateOfBirth, email):

self.\_firstName = firstName

self.\_lastName = lastName

self.\_gender = gender

self.\_dateOfBirth = dateOfBirth

self.\_email = email

def set\_firstName(self, firstName):

self.\_firstName = firstName

def get\_first\_name(self):

return self.\_firstName

def set\_lastName(self, lastName):

self.\_lastName = lastName

def get\_lastName(self):

return self.\_lastName

def set\_gender(self, gender):

self.\_gender = gender

def get\_gender(self):

return self.\_gender

def set\_dateOfBirth(self, dateOfBirth):

self.\_dateOfBirth = dateOfBirth

def get\_dateOfBirth(self):

return self.\_dateOfBirth

def set\_email(self, email):

self.\_email = email

def get\_email(self):

return self.\_email

class InsuranceStatus(Enum):

INSURED = 'insured'

NOT\_INSURED = 'not insured'

class Patient(Person):

def \_\_init\_\_(self, firstName, lastName, gender, dateOfBirth, email, phoneNumber, insuranceStatus):

super().\_\_init\_\_(firstName, lastName, gender, dateOfBirth, email)

self.\_phoneNumber = phoneNumber

self.\_insuranceStatus = insuranceStatus

def set\_phoneNumber(self, phoneNumber):

self.\_phoneNumber = phoneNumber

def get\_phoneNumber(self):

return self.\_phoneNumber

def set\_insuranceStatus(self, insuranceStatus):

self.\_insuranceStatus = insuranceStatus

def get\_insuranceStatus(self):

return self.\_insuranceStatus

class Role(Enum):

MANAGER = "Manager"

RECEPTIONIST = "Receptionist"

HYGIENIST = "Hygienist"

DENTIST = "Dentist"

class Staff(Person):

def \_\_init\_\_(self, firstName, lastName, gender, dateOfBirth, email, employeeID, role):

super().\_\_init\_\_(firstName, lastName, gender, dateOfBirth, email)

self.\_employeeID = employeeID

self.\_role = role

def set\_employeeID(self, employeeID):

self.\_employeeID = employeeID

def get\_employeeID(self):

return self.\_employeeID

def set\_role(self, role):

self.\_role = role

def get\_role(self):

return self.\_role