```
Task 1)
a)
R = \pi_{item\_id, item\_description} (ITEM - (ITEM\_USED \bowtie (\rhoitem\_id/item\_id (ITEM) \bowtie
pservice code/service code (SERVICE))))
b)
R = {}_{\pi patient\_number, \ patient\_first\_name, \ patient\_last\_name, \ emergency\_contact\_first\_name,}
emergency_contact_last_name, emergency_contact_phone_number (
 (oresidential_address LIKE 'Mooroolbark%' AND appointment_date = '08
September 2023')
 ⋈ (σpatient number=patient number PATIENT)
)
c)
R = \pi_{patient\_number}, patient_first_name, patient_last_name, contact_email_address (
 (ospecialization = 'ENDODONTICS' PROVIDER)
 ⋈ APPOINTMENT
 ⋈ PATIENT
```