

1.  $\{c.name \mid Clinic(c) \text{ AND } (\exists v)(\exists p)(Visit(v) \text{ AND } Patient(p) ((p.name = 'Saif' \text{ OR } p.name = 'Annette')) \text{ AND } p.phno = v.phno \text{ AND } v.cname = c.cname \text{ AND } v.day = 'Monday' \text{ AND } v.time = '10:00AM'))\}$

2.  $\{c.location \mid Clinic(c) \text{ AND } (\exists v_1)(\exists v_2)(\exists p_1)(\exists p_2)(Visit(v_1) \text{ AND } Visit(v_2) \text{ AND } Patient(p_1) \text{ AND } Patient(p_2) (v_1.cname = c.cname \text{ AND } v_2.cname = c.cname \text{ AND } v_1.day = v_2.day \text{ AND } v_1.time \neq v_2.time \text{ AND } v_1.phno \neq v_2.phno \text{ AND } p_1.phno = v_1.phno \text{ AND } p_2.phno = v_2.phno))\}$



### 3. (INSIDE)

$\{g.name \mid GP(g) \text{ AND NOT } (\exists p)(Patient(p) \text{ AND } p.location =$   
 $g.location \text{ AND NOT } (\exists pres)(Prescription(pres) \text{ AND } pres.gid =$   
 $g.gid \text{ AND } pres.phno = p.phno)\}$

### 4. (NEVER)

$\{p.phno \mid Patient(p) \text{ AND NOT } (\exists v)(\exists c)(Visit(v) \text{ AND } Clinic(c)$   
 $\text{AND } v.phno = p.phno \text{ AND } c.cname = v.cname \text{ AND } c.location \neq$   
 $'Brentwood')\}$

5. (NO)

$\{g.gid \mid GP(g) \text{ AND NOT } (\exists p)(\exists pres)(Patient(p) \text{ AND } Prescription(pres) \text{ AND } p.phno = pres.phno \text{ AND } pres.gid = g.gid \text{ AND } p.gender = 'Female')\}$