

Comp 3005 assignment 1 part 2

1.

$\{ e.name, e.position, e.salary \mid e \in \text{Employees AND } e.salary > 3000 \}$

2.

$\{ e.name, e.position \mid e \in \text{Employees AND } e.name = 'David' \}$

3.

$\{ e.name, e.position, e.salary, e.deptid \mid e \in \text{Employees AND } e.position = 'Manager' \text{ AND } e.deptid = 'D01' \}$

4.

$\{ d.deptid, d.deptname, d.managerid, p.budget \mid d \in \text{Departments AND } (\exists p \in \text{Projects})(p.leadempid = d.managerid) \text{ AND } p.budget > 1000000 \}$

5. $\{ p.projectname \mid p \in \text{Projects AND } (\exists e \in \text{employees})(e.empid = p.leadempid) \text{ AND } (e.deptid = 'D02') \}$

6.

$\{ e.name, p.projectname \mid e \in \text{employees AND } (\forall p \in \text{Projects})(p.leadempid = e.empid) \text{ AND NOT } (\forall p \in \text{Projects})(e.empid = p.leadempid) \}$

^include all the employees who are project leaders AND all who are not project leaders.

8.

$\{ e.empid, e.name \mid e \in \text{employees AND } (\exists d \in \text{departments})(e.empid \neq d.managerid) \}$

