

Q3.

- a) $\pi_{\text{Mname}}(\sigma_{\text{Comments}='President Jayawardane'}(\text{MOBSTER}))$
- b) $\pi_{\text{Mname}}(\sigma_{\text{Count}(\text{REFLIST.RefNo}) \geq 2}(\text{MOBSTER} \bowtie \text{MOBSTER.MID} = \text{REFLIST.MID}))$
- c) $\pi_{\text{RefTitle}}(\sigma_{\text{Count}(\text{REFLIST.MID}) > 3}(\text{REFERENCE} \bowtie \text{REFERENCE.RefID} = \text{REFLIST.RefID}))$

Q4.

- a)

```
SELECT Mname
FROM MOBSTER
WHERE Comments LIKE 'President Jayawardane';
```
- b)

```
SELECT Mname
FROM MOBSTER
INNER JOIN REFLIST ON MOBSTER.MID = REFLIST.MID
GROUP BY MOBSTER.MID
HAVING COUNT(REFLIST.RefNo) >= 2;
```
- c)

```
SELECT REFERENCE.RefTitle
FROM REFERENCE
INNER JOIN REFLIST ON REFERENCE.RefID = REFLIST.RefID
GROUP BY REFERENCE.RefID
HAVING COUNT(REFLIST.MID) > 3;
```