

Question 6 [5 Marks]

Consider the following relational schema:

```
employee(empId, empName, empDept)
```

```
customer(custId, custName, salesRepId, rating)
```

salesRepId is a foreign key referring to *empId* of the *employee* relation. Assume that each employee makes a sale to at least one customer. What does the following query return?

```
SELECT empName
```

```
FROM employee E
```

```
WHERE NOT EXISTS ( SELECT custId
```

```
FROM customer C
```

```
WHERE C.salesRepId = E.empId
```

```
AND C.rating <> GOOD);
```

A

Names of all the employees with at least one of their customers having a 'GOOD' rating.

X

Names of all the employees with at most one of their customers having a 'GOOD' rating.

C

Names of all the employees with none of their customers having a 'GOOD' rating.

✓

Names of all the employees with all their customers having a 'GOOD' rating.

Explanation

If any employee has received rating other than 'GOOD' from any of their customers, then there will be some rows returned by the inner query;

And NOT EXISTS will return false so those employees won't be printed.

Only those employees which have got rating 'GOOD' from all of their customers will be printed.