1.

|  |  |  |  |
| --- | --- | --- | --- |
| Person\_name | ID | Street | City |
|  |  |  |  |
|  |  |  |  |

Employee

Works

|  |  |  |  |
| --- | --- | --- | --- |
| Person\_name | ID | Company\_name | Salary |
|  |  |  |  |
|  |  |  |  |

Company

|  |  |  |
| --- | --- | --- |
| Company\_name | ID | City |
|  |  |  |

a)

b)

3)

4)

2)

2.1.

2.2.

3)

Consider the foreign-key constraint from the dept\_name attribute of instructor to department relation.Give examples of inserts and deletes to these relations that can cause a violation of the foreign-key constraint.

Instructor (ID, name, dept\_name, salary)

Department (dept\_name, building, budget)

Inserting tuple: (10000,Ayazhan,900000)

Deleting Tuple: (Physics,Ayazhan,90000)

4)

Primary keys of relation: employee (ID,person\_name ,street,city)

Works (ID,person\_name,company\_name,salary)

Company (company\_name,city)