1.

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

Employee

Works

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

Company

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

a)

b)

3)

4)

2)

a.

b.

3)

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

Department (dept\_name, building, budget)

1. For example, if for Instructor table wee will insert tuple (12345,Magauina Ayazhan,maths,1900000), but in Department relation does not have Physics department -this can cause a violation of the foreign-key constraint.
2. If from Department relation we will delete a tuple that have same department name, can cause a violation of the foreign-key constraint.

4.Primary keys of relation: employee – person\_name

Works – person\_name

Company – company\_name