**Experiment 3:**

**Represent all entities and relationships in a tabular fashion.(Relational Model)**

Employee:

|  |  |  |
| --- | --- | --- |
| **Column Name** | **DataType** | **Constraint** |
| EmpId | INT | Primary key |
| Name | Varchar(20) | Not Null |
| Gender | Varchar(10) | Not Null |
| DOB | Date | Not Null |
| DOJ | Date | Not Null |
| Address | Varchar(300) | Not Null |
| Age | INT | Not Null |

Department:

|  |  |  |
| --- | --- | --- |
| **Column Name** | **DataType** | **Constraint** |
| Deparment\_no | INT | Primary key |
| Name | Varchar(20) | Not Null |
| Location | Varchar(300) | Not Null |

Project:

|  |  |  |
| --- | --- | --- |
| **Column Name** | **DataType** | **Constraint** |
| Project\_no | INT | Primary Key |
| P\_name | Varchar(20) | Not Null |
| Location | Varchar(300) | Not Null |

Dependent:

|  |  |  |
| --- | --- | --- |
| **Column Name** | **DataType** | **Constraint** |
| Name | Varchar(20) | Not Null |
| Relationship | Varchar(20) | Not Null |
| Gender | Varchar(10) | Not Null |
| Phone\_no | INT |  |