**Exp No: 3 Represent all entities and relationships in a tabular fashion(Relational Model)**

**BUS:**

|  |  |  |
| --- | --- | --- |
| **COLOUMN NAME** | **DATA TYPE** | **CONSTRAINT** |
| Bus No | varchar2(10) | Primary Key |
| Source | varchar2(20) | Not Null |
| Destination | varchar2(20) | Not Null |
| Couch Type | varchar2(20) |  |

**Passenger:**

|  |  |  |
| --- | --- | --- |
| **COLOUMN NAME** | **DATA TYPE** | **CONSTRAINT** |
| PPNo | varchar2(20) | Primary Key |
| Name | varchar2(20) | Not Null |
| Age | integer(4) |  |
| Gender | char(10) | Not Null |
| Address | varchar2(30) |  |

**Reservation:**

|  |  |  |
| --- | --- | --- |
| **COLOUMN NAME** | **COLOUMN NAME** | **CONSTRAINT** |
| PNRNo | number(9) | Foreign key |
| Journey date | Date | Not Null |
| No-of-seats | integer(8) |  |
| Address | varchar2(50) |  |
| Contact No | Number(9) | Should be equal to 10 numbers and not allow  other than numeric |
| Status | char(2) | Y/N |