Driver tabel:

*1NF*

The official qualification for 1NF are:

1. Each attribute name must be unique.
2. Each attribute value must be single.
3. Each row must be unique.
4. There is no repeating groups.

Example:

|  |  |  |  |
| --- | --- | --- | --- |
| D\_id | D\_name | L\_id | D\_phn |
| 1001 | arnob | 11221 | 01714311451 |
| 1002 | nirob | 11222 | 01714311452 |

IN my table there is no repeating name,attributes,row & group.It has already 1NF.

*2NF*

The official qualification for 2NF are:

1. The table already in 1NF.
2. All nonkey attributes are fully dependent on the primary key.
3. All partial dependencies are remove to place in another table.

|  |  |  |  |
| --- | --- | --- | --- |
| D\_ID | D\_NAME | L\_NUM | D\_PHN |
| 1001 | Arnob | 112211 | 1714321451 |
| 1002 | Nirob | 112212 | 1714321452 |
| 1003 | Farhan | 112213 | 1714321453 |
| 1004 | shameem | 112214 | 1714321454 |
| 1005 | rakib | 112215 | 1714321455 |
| 1006 | polin | 112216 | 1714321456 |
| 1007 | Shanto | 112217 | 1714321457 |
| 1008 | Dipon | 112218 | 1714321458 |
| 1009 | topu | 112219 | 1714321459 |

IN this table All nonkey attributes are fully dependent on the primary key and there has no partial dependencies…So this table already in 2NF.

*3NF*

The official qualification for 3NF are:

1. The table already in 2NF.
2. Nonprimary key attributes do not depends on other nonprimary key attributes.
3. All transitive dependencies are remove to place in another table.

|  |  |  |
| --- | --- | --- |
| L\_NUM | D\_PHN | S\_no |
| 112211 | 1714321451 | 1 |
| 112212 | 1714321452 | 2 |
| 112213 | 1714321453 | 3 |
| 112214 | 1714321454 | 4 |
| 112215 | 1714321455 | 5 |
| 112216 | 1714321456 | 6 |
| 112217 | 1714321457 | 7 |
| 112218 | 1714321456 | 8 |
| 112219 | 1714321459 | 9 |

|  |  |  |
| --- | --- | --- |
| D\_ID | D\_NAME | S\_no |
| 1001 | Arnob | 1 |
| 1002 | Nirob | 2 |
| 1003 | Farhan | 3 |
| 1004 | shameem | 4 |
| 1005 | rakib | 5 |
| 1006 | polin | 6 |
| 1007 | Shanto | 7 |
| 1008 | Dipon | 8 |
| 1009 | topu | 9 |

Branch\_OFFICE:-

*1NF*

The official qualification for 1NF are:

1.Each attribute name must be unique.

2.Each attribute value must be single.

3.Each row must be unique.

4.There is no repeating groups.

Example:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| BRANCE\_ID | M\_ID | M\_NAME | M\_NUM | ADDRESS | TRANSPORT\_ID |
| br1 | A1 | Arnob | 0123456899 | dhaka | Tr101 |
| Br2 | A2 | Azman | 0123456999 | dhaka | Tr102 |

IN my table there is no repeating name,attributes,row & group.It has already 1NF.

The official qualification for 2NF are:

1.The table already in 1NF.

2.All nonkey attributes are fully dependent on the primary key.

3.All partial dependencies are remove to place in another table.

|  |  |  |
| --- | --- | --- |
| M\_ID | ADDRESS | S\_no |
| A1 | dhaka | 1 |
| A2 | dhaka | 2 |
| D9 | Cumilla | 3 |
| B4 | khulna | 4 |
| B5 | khulna | 5 |
| C2 | chittagong | 6 |
| D7 | Cumilla | 7 |
| D8 | Cumilla | 8 |
| B3 | khulna | 9 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BRANCE\_ID | M\_NUM | M\_NUM | TRANSPORT\_ID | S\_no |
| br1 | 01234567899 | 01234567899 | Tr101 | 1 |
| Br2 | 01234567999 | 01234567999 | Tr102 | 2 |
| Br7 | 01236667870 | 01236667870 | Tr303 | 3 |
| Br4 | 01234567880 | 01234567880 | Tr202 | 4 |
| Br5 | 01234567670 | 01234567670 | Tr203 | 5 |
| Br22 | 01234567299 | 01234567299 | Tr402 | 6 |
| Br8 | 01234567870 | 01234567870 | Tr301 | 7 |
| Br9 | 01236567870 | 01236567870 | Tr 302 | 8 |
| Br3 | 01234567990 | 01234567990 | Tr201 | 9 |

The official qualification for 3NF are:

1.The table already in 2NF.

2.Nonprimary key attributes do not depends on other nonprimary key attributes.

3.All transitive dependencies are remove to place in another table.

|  |  |  |  |
| --- | --- | --- | --- |
| M\_ID | M\_NUM | TRANSPORT\_ID | S\_no |
| A1 | 01234567899 | Tr101 | 1 |
| A2 | 01234567999 | Tr102 | 2 |
| D9 | 01236667870 | Tr303 | 3 |
| B4 | 01234567880 | Tr202 | 4 |
| B5 | 01234567670 | Tr203 | 5 |
| C2 | 01234567299 | Tr402 | 6 |
| D7 | 01234567870 | Tr301 | 7 |
| D8 | 01236567870 | Tr 302 | 8 |
| B3 | 01234567990 | Tr201 | 9 |

|  |  |  |  |
| --- | --- | --- | --- |
| BRANCE\_ID | M\_NAME | ADDRESS | S\_no |
| br1 | Arnob | dhaka | 1 |
| Br2 | Azman | dhaka | 2 |
| Br7 | dipon | Cumilla | 3 |
| Br4 | tofayel | khulna | 4 |
| Br5 | topu | khulna | 5 |
| Br22 | farhan | chittagong | 6 |
| Br8 | ria | Cumilla | 7 |
| Br9 | parvez | Cumilla | 8 |
| Br3 | hafiz | khulna | 9 |

1. Introduction:

It is safe to say that now a days the vehicles increase day by day.When a driver management system is deployed, documents and training requirements can be managed more easily, ensuring compliance and safety. Technology can also help drivers optimize their working hours and routes, becoming more productive, but without overexerting themselves.

In our project, we will build a complete management system for an driver management system, creating an information-

sharing to the manager.This research work aims to provide a solution to the problem of driver management by designing a

user-friendly computerized system that will be compatible with the existing manual systems. The database to be developed will solve driver management's problem, thus helping to reduce issues associated with the manual driver management system.