Assignment

Feb19/ DBT/001

Database Technologies

Diploma in Advance Computing

February 2019

**Task 1.**

1. Create ***DRIVER*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| namefirst | varchar(45) |
| namelast | varchar(45) |
| emailID | Varchar(1024) |

1. Create ***DRIVER\_LICENCE*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| driverID | int FOREIGN KEY(`driverID`) REFERENCES `driver`(`id`) |
| licenceno | varchar(45) |

1. Create ***DRIVER\_ADDRESS*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| driverID | int UNIQUE NOT NULL FOREIGN KEY(`driverID`) REFERENCES `driver`(`id`) |
| address | varchar(128) |

1. Create ***DRIVER\_PHONE*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| driverID | int FOREIGN KEY(`driverID`) REFERENCES `driver`(`id`) |
| number | varchar(128) |

1. Create ***VEHICLE*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| number | varchar(45) |
| model | varchar(45) |
| type | varchar(45) |
| capacity | varchar(45) |

1. Create ***ONDUTY*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| vehicleID | int FOREIGN KEY(`vehicleID`) REFERENCES `vehicle`(`id`) |
| date | varchar(45) |
| status | varchar(45) |

1. Create ***DUTYHISTORY*** Relation with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key auto\_increment |
| vehicleID | int FOREIGN KEY(`vehicleID`) REFERENCES `vehicle`(`id`) |
| date | date |
| loginon | date |
| logouton | date |

**Task 2.**

1. Insert the records in ***DRIVER***, ***DRIVER\_LICENCE***, ***DRIVER\_ADDRESS***, ***DRIVER\_PHONE***, and ***VEHICLE*** relation. Get the data from “infoway\_cab.xlsx” file which will be provided to you.
2. Alter the **DRIVER** relation and add the following fields.
3. Photo blob()