Assignment

Feb19/ DBT/001

Database Technologies

Diploma in Advance Computing

February 2019

**Task 1.**

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

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| namefirst | varchar(45) |
| namelast | varchar(45) |
| dob | date |
| emailid | varchar(128) |

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

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| name | varchar(45) |
| phone | Varchar(10) |

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

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| name | varchar(45) |
| manufacturer | varchar(45) |

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

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| name | varchar(45) |

1. Create ***PHONE*** RELATION with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| employeeID | Int FOREIGN KEY(`employeeID`) REFERENCES `employee`(`id`) |
| number | varchar(10) |

1. Create ***ADDRESS*** RELATION with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| employeeID | Int UNIQUE NOT NULL FOREIGN KEY(`employeeID`) REFERENCES `employee`(`id`) |
| address | varchar(128) |

1. Create ***QUALIFICATIONS*** RELATION with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| employeeID | Int FOREIGN KEY(`employeeID`) REFERENCES `employee`(`id`) |
| name | varchar(128) |
| college | varchar(128) |
| university | varchar(128) |
| marks | varchar(45) |
| year | int |

1. Create ***SPOUSE*** RELATION with following columns using Workbench.

|  |  |
| --- | --- |
| Field Name | Datatype (size) |
| ID | int primary key |
| employeeID | Int UNIQUE NOT NULL FOREIGN KEY(`employeeID`) REFERENCES `employee`(`id`) |
| name | varchar(45) |