



**CarERA WEBSITE (SQL STATEMENTS)**

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## DDL

### CREATE COMMANDS

1. CREATE TABLE `webproj`.`members` (`ID` INT NOT NULL AUTO\_INCREMENT, `firstName` VARCHAR(20) NOT NULL, `LastName` VARCHAR(20) NOT NULL, `Email` VARCHAR(50) NOT NULL, `Password` VARCHAR(50) NOT NULL, `telephone` VARCHAR NOT NULL, `memberLevel` INT NOT NULL, `userName` VARCHAR(20) NOT NULL, PRIMARY KEY (`ID`)) ENGINE = InnoDB;
2. CREATE TABLE `webproj`.`memberLevel` (`ID` INT NOT NULL AUTO\_INCREMENT, `Description` VARCHAR(25) NOT NULL ) ENGINE = InnoDB;
3. CREATE TABLE `webproj`.`car` (`cylinders` INT NOT NULL, `doors` INT NOT NULL DEFAULT '4', `fuel type` VARCHAR(25) NOT NULL, `gears` INT NOT NULL, `max power` INT NOT NULL, `Model` VARCHAR(50) NOT NULL, `price` FLOAT NOT NULL, `Qty` INT NOT NULL, `seats` INT NOT NULL DEFAULT '4', `transmission` INT NOT NULL, PRIMARY KEY (`Model`)) ENGINE = InnoDB;
4. CREATE TABLE `webproj`.`car\_type` (`ID` INT NOT NULL AUTO\_INCREMENT, `Description` VARCHAR(25) NOT NULL ) ENGINE = InnoDB;
5. CREATE TABLE `webproj`.`maintenance` (`ID` INT NOT NULL AUTO\_INCREMENT, `CustomerID` INT NOT NULL, `OurCar` VARCHAR(5) NOT NULL, `Model` VARCHAR(50) NOT NULL, `Branch` VARCHAR(30) NOT NULL, `Date` VARCHAR(50) NOT NULL, `Message` VARCHAR(255) NOT NULL, PRIMARY KEY (`ID`)) ENGINE = InnoDB;

6. CREATE TABLE `webproj`.`testdrivebooks` (`CustomerID` INT NOT NULL , `ID` INT NOT NULL AUTO\_INCREMENT , `Name` VARCHAR(100) NOT NULL , `Email` VARCHAR(100) NOT NULL , `Phone Number` VARCHAR(50) NOT NULL , `Car Model` VARCHAR(50) NOT NULL , `Branch` VARCHAR(30) NOT NULL , `Date and Time` VARCHAR(200) NOT NULL , `Message` VARCHAR(1000) NOT NULL , PRIMARY KEY (`ID`)) ENGINE = InnoDB;
7. CREATE TABLE `webproj`.`deals` (`ID` INT NOT NULL AUTO\_INCREMENT , `FinancingMethod` VARCHAR(50) NOT NULL , `DownPayment` INT NOT NULL , `Duration` SMALLINT NOT NULL , `CustomerID` INT NOT NULL , `Branch` VARCHAR(30) NOT NULL , `jopType` VARCHAR(50) NOT NULL , `MonthlyIncome` INT NOT NULL , `OtherLoans` VARCHAR(5) NOT NULL , `Identity` VARCHAR(255) NOT NULL , `LatestSalarySlip` VARCHAR(255) NOT NULL , `SalaryTransferLetter` VARCHAR(255) NOT NULL , `WorkPermit` VARCHAR(50) NOT NULL , `TIME` VARCHAR(100) NOT NULL , `Message` TEXT NOT NULL , `Model` VARCHAR(50) NOT NULL , PRIMARY KEY (`ID`)) ENGINE = InnoDB;

## ALTER COMMANDS

1. ALTER TABLE `members` ADD CONSTRAINT `memLevel\_members\_fk` FOREIGN KEY (`memberLevel`) REFERENCES `memberlevel`(`id`) ON DELETE CASCADE ON UPDATE CASCADE;
2. ALTER TABLE `car` ADD CONSTRAINT `carType\_car\_fk` FOREIGN KEY (`car\_type`) REFERENCES `car\_type`(`ID`) ON DELETE CASCADE ON UPDATE CASCADE;

3. ALTER TABLE `testdrivebooks` ADD CONSTRAINT `test\_member\_fk` FOREIGN KEY (`CustomerID`) REFERENCES `members`(`ID`) ON DELETE CASCADE ON UPDATE CASCADE;
4. ALTER TABLE `testdrivebooks` ADD CONSTRAINT `test\_car\_fk` FOREIGN KEY (`Car Model`) REFERENCES `car`(`Model`) ON DELETE CASCADE ON UPDATE CASCADE;
5. ALTER TABLE `maintenance` ADD CONSTRAINT `main\_member\_fk` FOREIGN KEY (`CustomerID`) REFERENCES `members`(`ID`) ON DELETE CASCADE ON UPDATE CASCADE;
6. ALTER TABLE `deals` ADD CONSTRAINT `deals\_member\_fk` FOREIGN KEY (`CustomerID`) REFERENCES `members`(`ID`) ON DELETE CASCADE ON UPDATE CASCADE;
7. ALTER TABLE `deals` ADD CONSTRAINT `deals\_cars\_fk` FOREIGN KEY (`Model`) REFERENCES `car`(`Model`) ON DELETE CASCADE ON UPDATE CASCADE;

## DML

1. INSERT INTO `members` (`ID`, `firstName`, `lastName`, `Email`, `Password`, `tel`, `memberLevel`) VALUES ('1', 'Aya', 'Sawalha', 'aya.sawalha.2003@gmail.com', SHA1('1234'), '+972598434383', '1');
2. INSERT INTO `car` (`cylinders`, `doors`, `fuel type`, `gears`, `max power`, `Model`, `price`, `Qty`, `seats`, `transmission`) VALUES ('8', '4', 'Gasoline Direct Injection', '9', '587', 'Mercedes G-class 2022', '175000', '5', '4', 'Automatic');

3. INSERT INTO `memberLevel` (`ID`, `Description`) VALUES ('1' ,  
'admin');
4. INSERT INTO `memberLevel` (`ID`, `Description`) VALUES ('2' ,  
'employee');
5. INSERT INTO `memberLevel` (`ID`, `Description`) VALUES ('3' ,  
'member');
6. INSERT INTO `car\_type` (`ID`, `Description`) VALUES ('1' , 'EV');
7. INSERT INTO `car\_type` (`ID`, `Description`) VALUES ('2' , 'SUV');
8. INSERT INTO `car\_type` (`ID`, `Description`) VALUES ('3' , 'Truck');
9. INSERT INTO `car\_type` (`ID`, `Description`) VALUES ('4' , 'sedan');
10. INSERT INTO `car\_type` (`ID`, `Description`) VALUES ('5' , 'hybrid');