Library Database Management System

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6th Semester
Biomedical Engineering

March 25, 2022

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10. SYNTAX CREATING DATABASE QUERY

INSERT INTO `LIBRARY`.`login` (`ID`, `USER_NAME`, `PASSWORD`, `PRIVILEGE`) VALUES ('3', 'RESHMA', 'RESHMA', 'STUDENT'); INSERT INTO `LIBRARY`.`LOGIN` (`ID`, `USER_NAME`, `PASSWORD`, `PRIVILEGE`) VALUES ('4', 'RESKHA', 'REKHA', 'STUDENT'); SQL SYNTAX FOR CREATING TABLE: PRIVILEGE QUERY: CREATE TABLE `LIBRARY`.`PRIVILEGE` (`ID` INT NOT NULL, `PRIVILEGE` VARCHAR(10) NOT NULL) ENGINE = MYISAM; SETTING ENGINE =INNODB QUERY: ALTER TABLE `PRIVILEGE`ENGINE = INNODB; SETTING PRIVILEGE UNIQUE VALUE QUERY: ALTER TABLE `PRIVILEGE` ADD UNIQUE(`PRIVILEGE`) Query took 0.2112 sec INSERTING QUERY: INSERT INTO `LIBRARY`.`PRIVILEGE` (`ID`, `PRIVILEGE`) VALUES ('1', 'ADMIN'), ('2', 'FACULTY'); INSERT INTO `LIBRARY`.`PRIVILEGE` (`ID`, `PRIVILEGE`) VALUES ('3', 'STUDENT'); SQL SYNTAX FOR CREATING TABLE: BOOK_DETAILS QUERY: CREATE TABLE `LIBRARY`.`BOOK_DETAILS` (`ID` INT NOT NULL , `TITLE` VARCHAR(30) NOT NULL ,`AUTHOR` TEXT NOT NULL ,`PUBLISHER` VARCHAR(30) NOT NULL ,`KEYWORD` VARCHAR(60) NOT NULL ,`ISBN` INT NOT NUL L ,`ABSTRACT` VARCHAR(60) NOT NULL ,`YEAR_OF_PU BLISHING` DATE NOT NULL);

10.1 SETTING ENGINE AS INNODB QUERY

ALTER TABLE `book_details` ENGINE = INNODB; SETTING PRIMARY KEY QUERY: ALTER TABLE `BOOK_DETAILS` ADD PRIMARY KEY (`ID`); SETTING ISBN NO: UNIQUE ALTER TABLE ` BOOK_DETAILS ` ADD UNIQUE (`ISBN`); INDEXING QUERY: ALTER TABLE ` BOOK_DETAILS ` ADD INDEX (`PRIVILEGE`); ALTER TABLE ` BOOK_DETAILS ` ADD INDEX (`YEAR_OF_PUBLISHING`); ALTER TABLE ` BOOK_DETAILS ` ADD INDEX (`ABSTRACT`); ALTER TABLE ` BOOK_DETAILS ` ADD INDEX (`ISBN`); ALTER TABLE ` BOOK_DETAILS ` ADD INDEX (`PUBLISHER`); ALTER TABLE ` BOOK_DETAILS ` ADD INDEX (`TITLE`); INSERTING VALUES QUERY: INSERT INTO `LIBRARY`.`book_details` (`ID`, `TITLE`, `AUTHOR`, `PUBLISHER`, `KEYWORD`, `ISBN`, `ABSTRACT`, `YEAR_OF_PU BLISHING`, `PATH`, `PRIVILEGE`) VALUES ('1001', ' Harry Potter', ' J. K. Rowling', ' cityhills', ' wizard,adventures', ' 978', ' a series of seven fantasy novels', ' 2000-03-08', ' F:S 4DATABASE ADMINISTRATION', ' STUDENT') INSERT INTO `LIBRARY`.`book_details`

(`ID`, `TITLE`, `AUTHOR`, `PUBLISHER`, `KEYWORD`, `ISBN`, `ABSTRACT`, `YEAR_OF_PU BLISHING`,

5. `PATH`, `PRIVILEGE`) VALUES ('1002', 'A Tale of Two Cities', 'Charles Dickens', 'macgrew', 'two cities', '787', 'wonderful novel', '2011-03-21', 'F:S 4DATABASE ADMINISTRATION', 'STUDENT'); CREATING TABLE: BOOK_RATINGS QUERY: CREATE TABLE `LIBRARY`.`BOOK_RATINGS` (`ID` INT NOT NULL, `BID` INT NOT NULL, `Ratings` INT NOT NULL, `Note` VARCHAR(50) NOT NULL, `U_ID` INT NOT NULL, PRIMARY KEY (`ID`)) ENGINE = MyISAM; SETTING ENGINE AS InnoDB QUERY: ALTER TABLE `book_ratings`ENGINE = InnoDB; ADDING ONE MORE FIELD NAMED PRIVILEGE TO THE TABLE BOOK_RATINGS TO SET THE PRIVILEGE OF EACH USER QUERY: ALTER TABLE ` BOOK_RATINGS ` ADD `PRIVILEGE` VARCHAR (10) NOT NULL AFTER `UNAME; SETTING FIELD PRIVILEGE A DEFAULT VALUE: STUDENT QUERY: ALTER TABLE `book_details` CHANGE `PRIVILEGE` `PRIVILEGE` VARCHAR(10) CHARACTER SET latin1 COLLATE latin1_swedish_ci NOT NULL DEFAULT 'STUDENT' SETTING AUTO INCREMENT FOR ID QUERY: ALTER TABLE ` BOOK_RATINGS ` CHANGE `ID` `ID` INT (11) NOT NULL AUTO_INCREMENT; INDEXING QUERY: ALTER TABLE `BOOK_RATINGS` ADD INDEX (`BID`);