Library Database Management System

Pankaj Kumar Kindo
19111038
6th Semester
Biomedical Engineering

March 4, 2022

---

7. CREATING DATABASE USING MYSQL

Query OK, 0 rows affected (0.50 sec) mysql> create table return_status(return_id int(10) not null,return_cust int(10) not null,returned_book_name varchar(50) not null,return_date date not null,isbn_book2 int(10) not null,primary key(return_id),constraint foreign key(isbn_book2) references BOOKS(ISBN),constraint foreign key(return_cust) references issue_status(issued_cust)); Query OK, 0 rows affected (0.39 sec).

mysql> insert into books values(1000,'book1','comedy',5,'available','author1','pub1'); Query OK, 1 row affected (0.18 sec) mysql> insert into books values(1001,'book2','scifi',3,'available','author2','pub2'); Query OK, 1 row affected (0.08 sec) mysql> insert into books values(1003,'book3','romance',1,'un-available','author3','pub3'); Query OK, 1 row affected (0.06 sec) mysql> insert into books values(1004,'book4','thriller',7,'available','author4','pub4'); Query OK, 1 row affected (0.07 sec).

mysql> alter table branch add constraint foreign key(manager_id) references employee(employ_id); Query OK, 0 rows affected (1.20 sec) Records: 0 Duplicates: 0 Warnings: 0 mysql> insert into employee values(991,'emp1','manager',30000); Query OK, 1 row affected (0.06 sec) mysql> insert into employee values(992,'emp2','worker',10000); Query OK, 1 row affected (0.07 sec) mysql> insert into employee values(993,'emp3','worker',10000); Query OK, 1 row affected (0.05 sec) mysql> insert into employee values(994,'emp4','reader',20000); Query OK, 1 row affected (0.07 sec) mysql> insert into employee values(995,'emp5','assist',20000); Query OK, 1 row affected (0.07 sec).

mysql> insert into branch values(1,991,'branch_addr1',987654321); Query OK, 1 row affected (0.07 sec) mysql> insert into branch values(3,993,'branch_addr3',987654323); Query OK, 1 row affected (0.09 sec) mysql> insert into customer values(11,'cus1','hom1','2008:10:10'); Query OK, 1 row affected (0.07 sec) mysql> insert into customer values(12,'cus2','hom2','2008:03:03'); Query OK, 1 row affected (0.09 sec) mysql> insert into customer values(13,'cus3','hom3','2009:03:03'); Query OK, 1 row affected (0.07 sec) mysql> insert into customer values(14,'cus4','hom4','2009:04:04'); Query OK, 1 row affected (0.06 sec) mysql> insert into issue_status values(51,12,'book1','2010:01:01',1001);

Query OK, 1 row affected (0.08 sec) mysql> insert into issue_status values(52,14,'book4','2010:01:01',1004); Query OK, 1 row affected (0.06 sec) mysql> insert into return_status values(61,12,'book1','2010:10:01',1001); Query OK, 1 row affected (0.08 sec) mysql> insert into return_status values(62,13,'book1','2010:10:01',1001); ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`libproject`.`return_status`, CONSTRAINT `return_status_ibfk_2` FOREIGN KEY (`return_cust`) REFERENCES `issue_status` (`issued_cust`)) Since customer id-13 isn't taken

any book, we cannot blindly give the input!!