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1  #mysql Comprehensive Assessment
2  • create database library;
3  • use library;
4  • create table Branch(
5      branch_no int primary key,
6      manager_id int,
7      branch_address varchar(50),
8      contact_no int);
9
10 • create table employee(
11     employee_id int primary key,
12     employee_name varchar(30),
13     position varchar(30),
14     salary int,
15     branch_no int,
16     foreign key (branch_no) references branch(branch_no));
17
18 • create table books(
19     isbn int(15) primary key,
20     book_title varchar(40),
21     category varchar(30),
22     rental_price int,
23     status char(5),
24     author varchar(30),
25     publisher varchar(30));
26
27 • create table customer(
28     customer_id int primary key,
29     customer_name varchar(30),
30     customer_address varchar(50),
31     reg_date date);
32
33 • create table issueStatus(
34     issue_id int primary key,
35     issued_cust int,
36     issued_book_name varchar(30),
37     issue_date date,
38     isbn_book int,
39     foreign key (issued_cust) references customer(customer_id),
40     foreign key (isbn_book) references books(isbn));
41
42 • create table return_status(
43     return_id int primary key,
44     return_cust int,
45     return_book_name varchar(30),
46     return_date date,
47     isbn_book2 int,
48     foreign key (isbn_book2) references books(isbn));
49
50 delimiter #
51 • create procedure branch_values(in b_no int,in m_id int,in b_addr varchar(50),in conta int)
52 begin
53     insert into branch values(b_no,m_id,b_addr,conta);
54 end #
55 delimiter ;
56
57 • call branch_values(100,1,'thrissur,eastfort',956487247);
58 • call branch_values(101,2,'kochi,ernakulam',45746531);
59 • call branch_values(102,3,'ottappalam,palakkad',16933522);
60 • call branch_values(103,4,'manjeri,malapuram',854665621);
61 • call branch_values(104,5,'payyannur,kannur',796611222);
62 • call branch_values(105,6,'punalur,kollam',956478224);
63
64
65 delimiter #
66 • create procedure employee_values(in emp_id int,in emp_name varchar(30),in pos varchar(30),in sala int,in b_no int)
67 begin
68     insert into employee values(emp_id,emp_name,pos,sala,b_no);
69 end #
70 delimiter ;
71
72 • call employee_values(1000,'Sudhakaran','manager',70000,100);
73 • call employee_values(1001,'Subhash','library technician',35000,100);
74 • call employee_values(1002,'Meera','library director',60000,101);
75 • call employee_values(1003,'Anuchand','Assistant',40000,101);
76 • call employee_values(1004,'Sreeram','Manager',70000,102);
77 • call employee_values(1005,'Anurag','technical assistant',30000,102);
78 • call employee_values(1006,'Antony','Accounting',54000,103);
79 • call employee_values(1007,'Beena','Junior manager',60000,104);
80 • call employee_values(1008,'Reena','Library assistant',30000,104);
81 • call employee_values(1009,'Rahul','Librarian',45000,104);
82 • call employee_values(1010,'Nelson','Director',75000,104);
83 • call employee_values(1011,'Vibesh','Librarian',35000,105);
84 • call employee_values(1012,'Aswathy','Manager',60000,105);
85 • call employee_values(1013,'Reena','Library assistant',30000,105);
86 • call employee_values(1014,'Roy','Library assistant',30000,105);
87 • call employee_values(1015,'Kumar','Library assistant',30000,105);
88 • call employee_values(1016,'Raghav','Library assistant',30000,105);
89

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86 delimiter #
87 • create procedure book_values(in isbn int,in b_title varchar(30),in cat varchar(30),in r_price int,in stat char,in auth varchar(30),in pub varchar(30))
88 begin
89     insert into books values(isbn,b_title,cat,r_price,stat,auth,pub);
90 end #
91 delimiter ;
92
93
94 • call book_values('454614226','Adujeevitham','Novel','35','y','Benjamin','Penguin Books');
95 • call book_values('497956232','Randamoozham','Novel','50','y','M T Vasudevan nair','Current Books');
96 • call book_values('1258893623','The Alchemist','Adventure','40','y','Paulo Coelho','HarperCollins Publishers');
97 • call book_values('473662323','Oru Desathinte Katha','Fiction','40','y','SK Pottakadu','Current Books');
98 • call book_values('46332631','Arachar','Novel','20','n','KR Meera','Current Books');
99 • call book_values('165321233','You Are Born To Blossom','Inspiration and Guidance','30','n','APJ Abdul Kalam','Current Books');
100

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101 delimiter #
102 • create procedure customer_values(in c_id int,in c_name varchar(30),in c_addr varchar(50),in r_date date)
103 begin
104     insert into customer values(c_id,c_name,c_addr,r_date);
105 end #
106 delimiter ;
107
108 • call customer_values(10,'Shifana','thrissur','2020-06-22');
109 • call customer_values(11,'Alwin','Kochi','2021-02-20');
110 • call customer_values(12,'Sukanya','Palakkad','2020-12-20');
111 • call customer_values(13,'Dileesh','Malapuram','2023-01-20');
112 • call customer_values(14,'Sudhi','Kannur','2021-05-25');
113 • call customer_values(15,'Anand','Kannur','2021-05-25');
114 • call customer_values(16,'Jyotsana','thrissur','2020-12-15');
115 • call customer_values(17,'Lithin','Palakkad','2021-08-14');
116

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121 delimiter #
122 • create procedure issuestatus_values(in is_id int,in is_c int,in is_b_n varchar(30),in is_date date,in isbn int)
123 begin
124     insert into issueStatus values(is_id,is_c,is_b_n,is_date,isbn);
125 end #
126 delimiter ;
127
128 • call issuestatus_values(1,10,'Adujeevitham','2023-06-20','454614226');
129 • call issuestatus_values(2,11,'Randamoozham','2023-06-15','497956232');
130 • call issuestatus_values(3,12,'The Alchemist','2023-06-10','1258893623');
131 • call issuestatus_values(4,13,'Oru Desathinte Katha','2023-12-15','473662323');
132 • call issuestatus_values(5,14,'Arachar','2023-05-12','46332631');
133 • call issuestatus_values(6,15,'Adujeevitham','2023-07-20','454614226');
134 • call issuestatus_values(7,16,'Arachar','2023-06-22','46332631');
135 • call issuestatus_values(8,17,'The Alchemist','2023-08-25','1258893623');
136

```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Contents: |

| branch_no | manager_id | branch_address | contact_no |
|-----------|------------|---------------------|------------|
| 0 | | | |
| 100 | 1 | thrissur,eastfort | 956487247 |
| 101 | 2 | kochi,emakulam | 45746531 |
| 102 | 3 | ottappalam,palakkad | 16933522 |
| 103 | 4 | marjeri,malapuram | 854665821 |
| 104 | 5 | payyanur,kannur | 796611222 |
| 105 | 6 | punalur,kolam | 956478224 |

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Contents: | Fetch rows: |

| employee_id | employee_name | position | salary | branch_no |
|-------------|---------------|---------------------|--------|-----------|
| 1000 | Sudhakaran | manager | 70000 | 100 |
| 1001 | Subhash | library technician | 35000 | 100 |
| 1002 | Meera | library director | 80000 | 101 |
| 1003 | Anuchand | Assistant | 40000 | 101 |
| 1004 | Sreeram | Manager | 70000 | 102 |
| 1005 | Anurag | technical assistant | 30000 | 102 |
| 1006 | Antony | Accounting | 54000 | 103 |
| 1007 | Beena | Junior manager | 60000 | 104 |
| 1008 | Reema | Library assistant | 30000 | 104 |
| 1009 | Rahul | Librarian | 45000 | 104 |

branch 1 employee 2 x books 3 customer 4 issueStatus 5 return_status 6

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