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| 1. |
|  | Member – It contains information about the members |
|  | Column Name Data Type Description |
|  | Member\_Id Number(5) Unique Member ID |
|  | Member\_Name Varchar(30) Name of the Library member |
|  | Member\_address Varchar(50) Address of the member |
|  | Acc\_Open\_Date Date Date of membership |
|  | Membership\_type Varchar(20) Type of the membership such as ‘Lifetime’, ’ Annual’, ‘Half Yearly’, ’ Quarterly’ |
|  | Penalty\_Amount Number(7) Penalty amount due |
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|  |  |
|  |  |
|  | show databases; |
|  | Use edac2020; |
|  |  |
|  | create table Member( |
|  | Member\_Id int(5), |
|  | Member\_Name varchar(30), |
|  | Member\_address varchar(50), |
|  | Acc\_Oper\_Date datetime, |
|  | Membership\_type varchar(20), |
|  | Penality\_Amount int(7) |
|  | ); |
|  |  |
|  | insert into Member values(1,"Vaibhav baraskar","Aurangabad",curdate(),"Lifetime",650), (2,"Aditya Singh","Mumbai",curdate(),"Half Yearly",50), |
|  | (3,"Sumit Kapoor","Himanchal",curdate(),"Annual",900),(4,"Aniket Kumar","Assam",curdate(),"Quarterly",320),(5,"Anand Jain","Gujrat",curdate(),"Lifetime",500); |
|  |  |
|  | select \* from Member; |
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|  | 2. |
|  | Books- It contains information about the books belongs to the library |
|  | Column Name Data Type Description |
|  | Book\_No Number(6) Book identification number |
|  | Book\_Name VarChar(30) Name of the book |
|  | Author\_name Varchar(30) Author of the book |
|  | Cost Number(7) Cost of the book |
|  | Category Char(10) Category like Science , Fiction etc. |
|  |  |
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|  |  |
|  | show databases; |
|  | use edac2020; |
|  |  |
|  | create table Books( |
|  | Book\_No int(6), |
|  | Book\_Name varchar(30), |
|  | Auther\_Name varchar(30), |
|  | Cost int(7), |
|  | Category char(10) |
|  | ); |
|  |  |
|  | insert into Books values(1,"Physics","Sashi",400,"Science"), (1,"Chemistry","Gunjan",450,"Science"), |
|  | (3,"Biology","Aarti",500,"Science"),(4,"Maths","R.D.Sharma",350,"Calculus"),(5,"English","Sohini",300,"Litrature"),(6,"Geography","Ranjan",200,"Social Sc."); |
|  |  |
|  | select \* from Books; |
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|  | 3. |
|  | Issue – It contains the information about issue of the books |
|  | Column Name Data Type Description |
|  | Lib\_Issue\_Id Number(10) Library Book Issue No |
|  | Book\_No Number(6) Number of the book issued |
|  | Member\_Id Number(5) Member that was issued the book |
|  | Issue\_Date Date Date of Issue |
|  | Return\_date Date Return date |
|  |  |
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|  |  |
|  |  |
|  | show databases; |
|  | use edac2020; |
|  |  |
|  | create table Issue( |
|  | Lib\_Issue\_Id int(10), |
|  | Book\_No int(6), |
|  | Member\_Id int(5), |
|  | Issue\_Date date, |
|  | Return\_Date date |
|  | ); |
|  |  |
|  | insert into Issue values (1,2313,324232,"2019-04-23","2020-01-20"),(2,2617,6756,"2019-04-23","2020-01-20"), |
|  | (3,657,2372,"2018-06-07","2020-02-20"),(4,313,3323,"2012-04-03","2015-01-10"),(5,344,45232,"2018-07-13","2220-08-31"); |
|  |  |
|  | select \* from Issue; |
|  |  |
|  |  |
|  |  |
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|  | 4. |
|  | Task / Problems: |
|  | 1) Create the table Member, Books and Issue without any constraints as mentioned in the schema description above. |
|  | 2) View the structure of the tables. |
|  | 3) Delete/Drop the column Penalty\_Amount from Member |
|  | 4) Insert following data in table Member: |
|  |  |
|  | Member ID Member Name Member Address Acc\_Open\_Date Membership\_type |
|  | 1 Richa Sharma Pune 10-Dec-05 Lifetime |
|  | 2 Garima Sen Pune Current date Annual |
|  |  |
|  | 5) Insert at least 5 records with suitable data and save it. |
|  | 6) Insert data in Book table as follows: |
|  |  |
|  | Book\_No Book Name Author Cost Category |
|  | 101 Let us C Denis Ritchie 450 System |
|  | 102 Oracle – Complete Ref Loni 550 Database |
|  | 103 Mastering SQL Loni 250 Database |
|  | 104 PL SQL-Ref ScottUrman 750 Database |
|  | 7) View the data in the tables using simple SQL query. |
|  | 8) Modify the price of book with id 103 to Rs 300 and category to RDBMS |
|  | 9) Drop table Issue. |
|  | 10) Again Create table Issue and insert following data into Issue table. Note leave the column Return\_Date blank |
|  |  |
|  | Lib\_Issue\_Id Book No Member ID Issue Date Return Date |
|  | 7001 101 1 10-Dec-06 |
|  | 7002 102 2 25-Dec-06 |
|  | 7003 104 1 15-Jan-06 |
|  | 7004 101 1 04-Jul-06 |
|  | 7005 104 2 15-Nov-06 |
|  | 7006 101 3 18-Feb-06 |
|  |  |
|  |  |
|  |  |
|  | desc issue; |
|  | desc books; |
|  | desc member; |
|  |  |
|  | alter table member drop column Penality\_Amount; |
|  |  |
|  | insert into Member values(1,"Richa Sharma","Pune","2005-12-10","Lifetime"),(2,"Garima Sen","Pune","2005-12-10","Annual"); |
|  |  |
|  | insert into books values(101,"Let us C","Denis Ritchie",450,"System"),(102,"Oracle- Complete Ref","Loni",550,"Database"), |
|  | (103,"Mastering SQL","Loni",250,"Database"),(104,"PL SQL-Ref","ScottUrman",750,"Database"); |
|  |  |
|  | select \* from books; |
|  | select \* from member; |
|  | select \* from issue; |
|  |  |
|  | update books set Cost=300, Category="RDBMS" where Book\_No=103; |
|  |  |
|  | alter table issue drop column Return\_Date; |
|  | alter table issue add column Return\_Date varchar(20); |