Dharmsinh Desai University

MCA-Semester 1
Subject :Database Management System
TERMWORK

Batch-1

1 perform the following using MySQL
Create following tables choose appropriate datatype. And insert appropriate records according to your choice.
Suppliers (Sid, S_name, Address) // sid is primary key
Parts (Pid, P_name, Colour) // pid is primary key
Catalogue (Sid, Pid, Cost) // sid and pid is foreignkey and primarykey(sid,pid)

Perform following query
1. display all the suppliers whose name start with 'S'
2. display all the suppliers detail whose address is null
3. display the supplier name who is supplies the red color parts
4. Display the partname who has maximum cost.
5 display name and total cost of part which have total cost greater than 1000 Rs
6. display all the part name which is supplied by supplier "rakesh".
7. display the pid whose total cost is greater than 2000.
8. update the cost(add 200 in existing cost) which is supplied by sid = s1;
9. Display the name and total cost supplied by each supplier.
10. Create procedure which pass the name of partname as arguments and find out the total cost of that part and store in OUT varibable called totalcost.
11. create a function which pass colour of part as argument and display the name of supplier who supplies that given color.
12. Display message based on number of part supplied . if number of part supplied by supplier is less than 2 then message "less" if number of part supplied by supplier is between 3 to 5 then "average" o.w message is "more".
Output is like

SID	message
1	more
2	less

Batch 2 :

1 perform the following using MySQL
Create following tables choose appropriate datatype. And insert appropriate records according to your choice.
Emp (Eid, Ename, salary,city,depname) Eid is primary key
Leave (leaveid, leavetype) leavetype must be in CL or DL or ML,
Leaveid is primary key
Emp_leave(Eid,leaveid,leavedate) Primarykey(Eid,leaveid) ,
Edi is foreign key from EMP table
Leavid is foreign key form Leave table.

Perform following query 1. Display all the Employee whose name start with 'D' 2. Display all the Employee details whose salary between 10000 to 15000. 3. Display all the Employee name who has taken leave type CL. 4. Display Eid,,Leaveid which are taken before 12-02-2019. 5 Display of department name and total of salary of each department's employee. 6. Display all the leave type taken from employee rakesh. 7 Display all leavedate of leave type DL. 8 Update the city of employee "rakesh". 9. Display leavetype, and number of leaves taken by employee of each leave type. 10. Create a stored procedure which pass the department name as arguments and findout display all eid,leaveid,leavedate of all employee of given departments. Also calculate maxsalary . and pass it as OUT variable. 11. Create a function disp() which pass the leaveid as argument and display all the employee name who has not taken any leave which is passed as an argument 12. Add the bonus field with appropriate datatype. Update the bonus based on following condition If salary less than 5000 bonus is 5% If salary between 5001 – 10000 bonus is 6% Else bonus is 7%

Batch – 3 :

1 perform the following using MySQL Create following tables choose appropriate datatype. And insert appropriate records according to your choice. Item(itemid,Iname,Price) Itemid is primary key Customer(custid,customername,city) custid is primary key Order_master(orderid,custid,orderdate) orderid is primary key Order_detail(orderid,itemid) orderid foreign key from order_master, itemid is foreign key from Item table/
Perform following query 1. Display all the Item details whose price is grater than 1000. 2. Display all the orderid which are from city 'baroda' 3. Display all orderid for item "mobile" 4. Display all the customer name who has not give any order. 5 Display the all the name of item which is order before 23-20-2020 6. Display all name of items which is or1der by customerid=101 7 Count the total number of customer for every city. 8 Add the 200 rs in existing price of item "mobile". 9 Display the item name which is ordered more than 4 types.(hint: having clause) 10 Create procedure which pass the orderid as argument and display total cost of given order. 11 Create a function called funct() which pass orderid as argument and count the total cost of given orderid. 12 Display the message as per given condition If item price is less than 100 , message is "less price"

If item price is between 101 – 500 , message is " average price"
If item price is between 501-600 message is "high price" else message is "very high price"
Output like
Item name , price, message

Batch 4 :

1 perform the following using MySQL
Create following tables choose appropriate datatype. And insert appropriate records according to your choice.
Student(studid,sname) Itemid is primary key
Book(bookid,title,subject,price) bookid is primary key , title should be unique
Issue(studid,bookid,issuedate) studid is foreign key form student table
bookid is foreign key form Book table.

Perform following query
1. Display all the Book details of subject computer.
2. Display all the studid who has issue book after 12-12-2018
3. Display all the bookname who has issued by student Sameer.
4. Display sname who has isuue bookid=101
5 Display the all the student id who issued the books of subject networking
6. Display all the student id who issued the books of subject DBMS.
7. Count number of students who has issue the book with subject DBMS.
8. Update the subject of bookid 201 to physics.
9 display total price of each subject book.
10. Create procedure which pass book title as argument and in OUT paramerter it stores the count value of how may time given book is issued.
11. create a function called funct() pass the two arguments of date datatype date1 and date2 and display the bookid which are issued between date1 and date2 .
12 update the price based on following condition
If book price less than 500 add 100 to price.
If book price is between 501 -700 then add 50 rs to price
Else book price is greater than 700 then add 20 rs to price.