**COMPUTER SCIENCE**

**CLASS XII**

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| Q1 Consider the following tables Employee and Desig. Write SQL commands for the statements (i) to (iii ) and give output for iv & v  Employee   |  |  |  |  | | --- | --- | --- | --- | | W\_ID | FIRSTNAME | LASTNAME | CITY | | 102 | SAM | TONES | PARIS | | 105 | SARAH | ACKERMAN | NEW YORK | | 144 | MANILA | SENGUPTA | NEW DELHI | | 210 | GEORGE | SMITH | HOWARD | | 255 | MARY | JONES | HUSTON | | 300 | ROBERT | SAMUEL | WASHINGTON | | 335 | HENRY | WILLIAMS | BOSTON | | 400 | RONNY | LEE | NEW YORK | | 451 | PAT | THOMPSON | PARIS |   Design table   |  |  |  |  | | --- | --- | --- | --- | | W\_ID | SALARY | BENEFITS | DESIGNATION | | 102 | 75000 | 15000 | MANAGER | | 105 | 85000 | 25000 | DIRECTOR | | 144 | 70000 | 15000 | MANAGER | | 210 | 75000 | 12500 | MANAGER |  1. Display details of Employees who are from “PARIS” city.   ANS) SELECT \* FROM Employee where CITY="PARIS";   1. Increase the benefits of employee by 500 whose W\_ID = 210.   ANS) UPDATE Design SET BENEFITS = BENEFITS +500 where W\_ID=210;   1. Count number of employees whose FIRSTNAME Starts from character ‘S’.   ANS) Select COUNT(\*) from Employee where FIRSTNAME LIKE "S%";   1. SELECT FIRSTNAME FROM EMPLOYEE WHERE CITY=” BOSTON”   ANS)     1. SELECT FIRSTNAME, LASTNAME FROM EMPLOYEE, DESIGN WHERE EMPLOYEE.W\_ID=DESIGN.W\_ID   ANS) |

2. Write a program to add a new record(5,”Amit”,78) in the table Student (Rno, Name, Marks) using Python SQL connectivity.

import mysql.connector

mydb = mysql.connector.connect(

  host="localhost",

  user="root",

  password="",

  database="practical"

)

mycursor = mydb.cursor()

sql = "INSERT INTO Student (Rno, Name, Marks) VALUES (5, 'Amit', 78)"

mycursor.execute(sql)

mydb.commit()

print(mycursor.rowcount, "record inserted.")

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**CLASS XII**

Q1 Write SQL commands for the statements (i) to (iii ) and give output for iv & v

SALESMAN TABLE



1. Write SQL command to display the area-wise count of salesmen.

ANS) Select Area, COUNT(Area) from SALESMAN GROUP BY Area;

1. Write SQL command to find the total Sales from salesman relation.

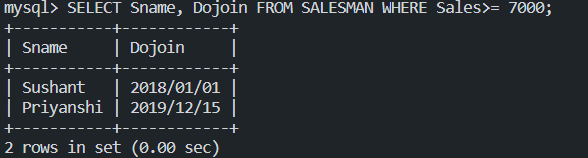
ANS) Select Address, SUM(Sales) from SALESMAN GROUP BY Address;

1. Write SQL command to display the Sname and Dojoin of the salesman who has joined from Delhi address.

ANS) SELECT Sname, Dojoin from SALESMAN where Address="Delhi";

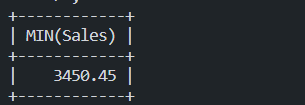
1. SELECT SNAME, DOJOIN FROM SALESMAN WHERE SALES>= 7000

ANS)



1. SELECT MIN(SALES) FROM SALESMAN

ANS)



1. Write a program to delete a record of “Amrita” in a student table using Python SQL connectivity.

ANS)

import mysql.connector

mydb = mysql.connector.connect(

  host="localhost",

  user="root",

  password="",

  database="practical"

)

mycursor = mydb.cursor()

sql = "DELETE FROM Student WHERE Name = 'Amrita'"

mycursor.execute(sql)

mydb.commit()

print(mycursor.rowcount, "record(s) deleted")

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