**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.

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Q1 Write SQL queries for (i) to (iii), which are based on the tables : CUSTOMERS and PURCHASES given in above and give output for Iv &V

(i) To Display details of all CUSTOMERS whose CITIES are neither Delhi nor Mumbai.

(ii) To Display the CNAME and CITIES of all CUSTOMERS in ascending order of their CNAME.

(iii) To Display the number of CUSTOMERS along with their respective CITIES in each of the CITIES.

iv) SELECT SNO, QTY FROM PURCHASES WHERE QTY>=15

V) SELECT CNAME FROM CUSTOMERS , PURCHASES WHERE CUSTOMERS. CNO=PURCHASES.CNO

Q2 Write a program in Python and function PUSH(Arr), where Arr is a list of numbers. From this list push all numbers divisible by 7 into a stack implemented by using a list. Display the stack if it has at least one element, otherwise display appropriate error message.

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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 .
2. Write SQL command to find the total Sales from salesman relation.
3. Write SQL command to display the Sname and Dojoin of the salesman who has joined from Delhi address.
4. SELECT SNAME, DOJOIN FROM SALESMAN WHERE SALES>= 7000
5. SELECT MIN(SALES) FROM SALESMAN
6. Write a program to delete a record of “Amrita” in a student table using Python SQL connectivity.

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