DBT Query solving test - 1

March-24/ DBT/001 Time: 01:30hrs

Database Technologies

Diploma in Advance Computing

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***Consider the following relation.***

*branch (branch-name, branch-city, assets)*

*bankEmployee (employee-name, branch-name, salary, gender)*

*bankCustomer (customer-name, customer-street, customer-city, gender)*

*account (account-number, branch-name, balance)*

*depositor (customer-name, account-number)*

*loan (loan-number, branch-name, amount)*

*borrower (customer-name, loan-number)*

**Solve the following queries.**

1. Find *account-number, branch-name,* and *balance* whose *balance* is smaller than 500.
2. Get all *customer-name* whose *customer-city* is ‘PUNE’.
3. Find all employees whose *salary* is greater than 1400.
4. Count the total number of *customer’s* not staying in *‘PUNE’* *city*.
5. Find all employees whose *salary* is greater than 2200 and *branch-name* is ‘Kothrud’ Branch.
6. Calculate the average salary of all employees and show the average salary as “avg\_salary”
7. Display the *branch-name* and sum of *salary* for every *branch-name* group.
8. Get all *customer-name* who are borrowers.
9. Get the maximum loan *amount*.
10. Get the 2nd lowest loan *amount*.
11. Get the *customer-name,* and *account-number*from *depositor*relation.
12. Calculate the number of customer for each account.
13. Get all *customer-name* whose *customer-name* starts with either ‘S’ or ‘V’.
14. Get all *branch-name whose loan amount* is in 5 digits.
15. Get *branch-name wise* total *loan amount.*
16. Get *branch-name* whose sum of *loan amount* is more than Rs.50,000/-
17. Get all employees whose *salary* is in 5 thousands.
18. Display one random *customer-name, customer-street,* and *customer-city* from the *customer* relation.
19. Get all *customer-name* with his *loan amount*.
20. Count total number of bank account for every branch.