**Name – Ravi Kumar**

**Roll no – 244CA041**

**Assignment 5**

1. **Create the following tables with the following attributes and constraints on them.**

a. Bank (bk\_code, bk\_name, bk\_address)

b. Branch (br\_id, br\_name, br\_address, bk\_code)

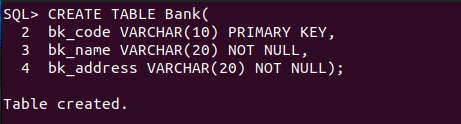
c. Customer (cust\_ID, cust\_name, phone\_no, address)

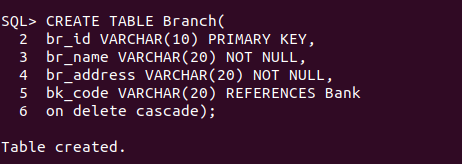
d. Account (acc\_no, acc\_type, balance, br\_id)

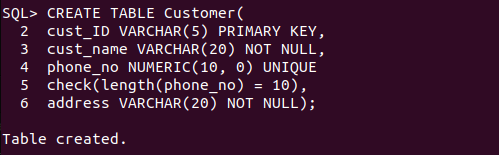
e. Customer\_Account (cust\_ID, acc\_no)

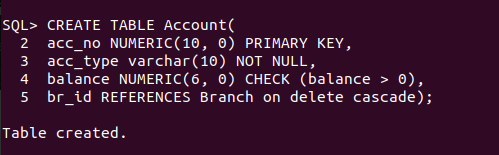
f. Loan (loan\_ID, loan\_type, amount, br\_id)

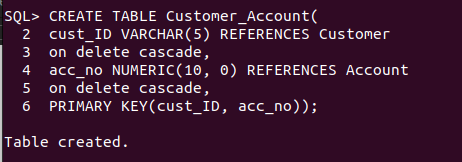
g. Customer\_Loan (cust\_ID, loan\_ID)

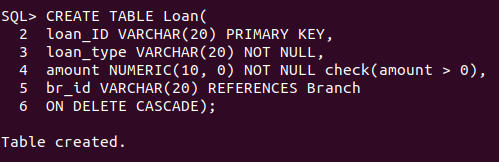


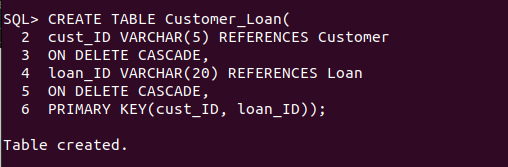




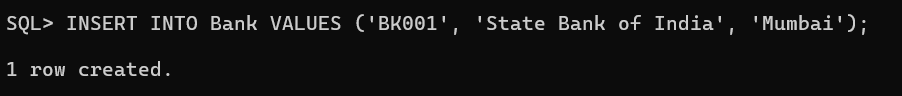


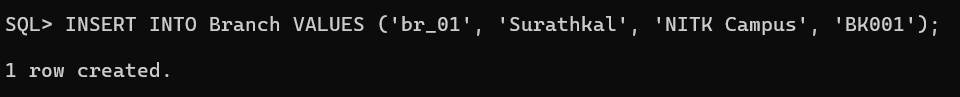


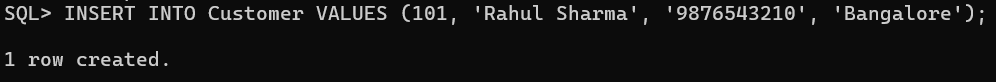


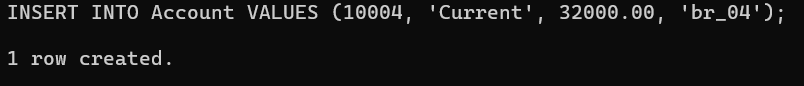


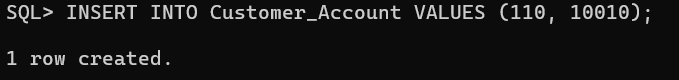
1. **Insert at least five records in each table.**

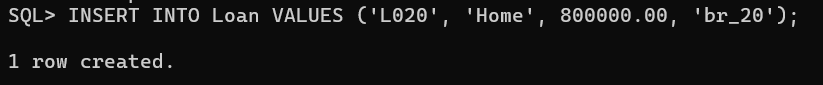
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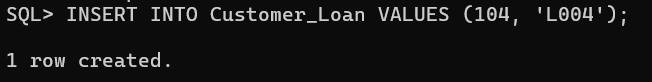




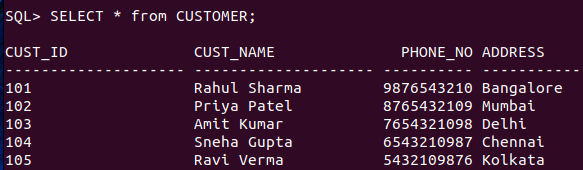




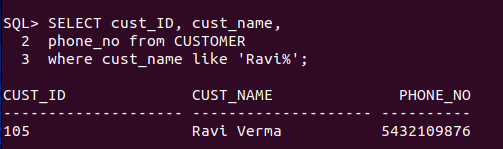




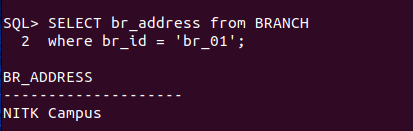
1. **List the details of all customers.**



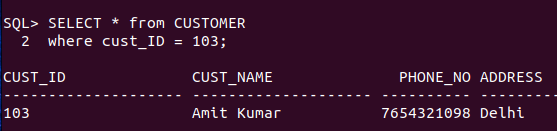
**4. Find the cust\_ID and phone number of customer ‘Ravi’.**



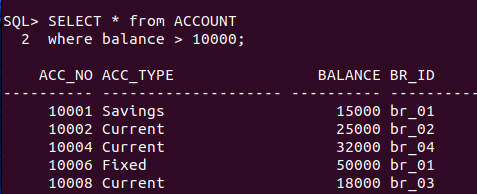
**5. Find the Address of all branches of br\_01.**



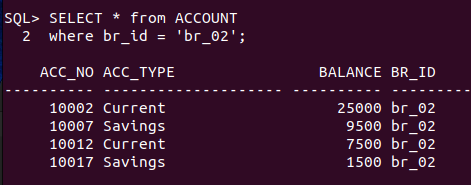
**6. Find the details of Customer having ID 103.**



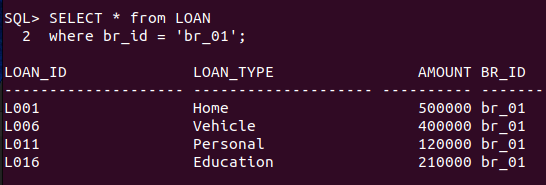
**7. List the account details having balance more than 10000.**



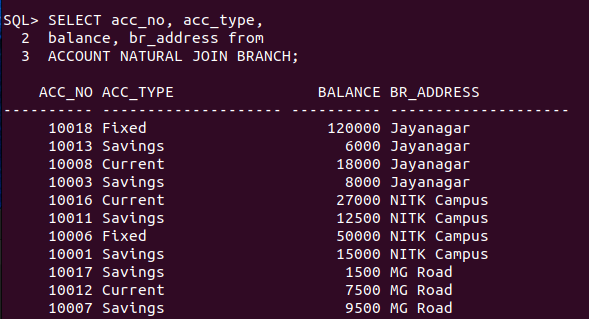
**8. List the account details of branch br\_02.**



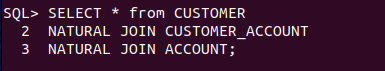
**9. List the loan details of branch br\_01.**



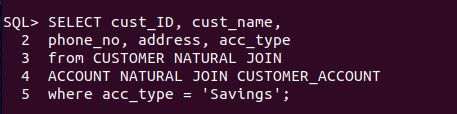
**10. List the account details with their branch address.**



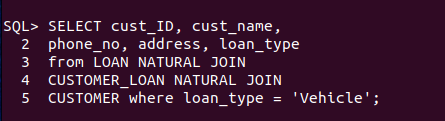
**11. List the customer details with their account details.**



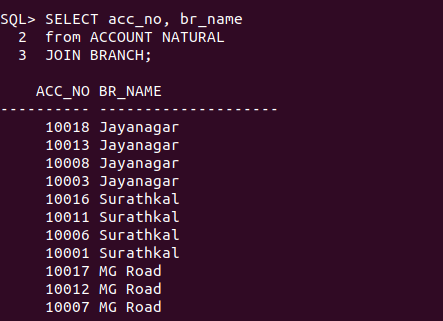
**12. List the customer details having account type ‘Savings’.**



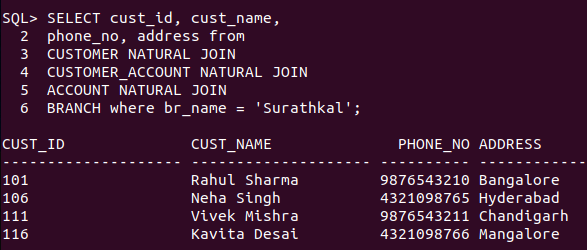
**13. List the customer details having vehicle loan.**



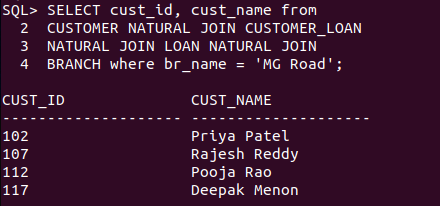
**14. List the branch names of all accounts.**



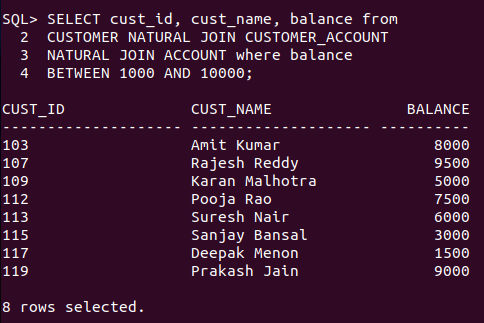
**15. List the customer details going to ‘Surathkal’ branch.**



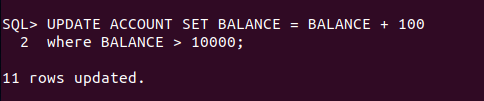
**16. List the customers having loan account in ‘MG Road’ branch.**



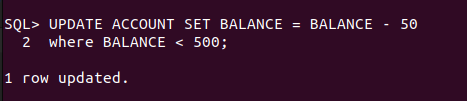
**17. Find the customers having balance between 1000 to 10000.**



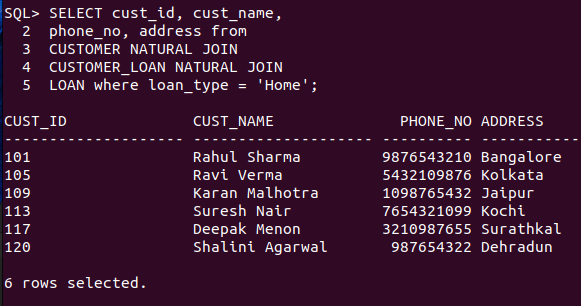
**18. Give a bonus of rupees 100 to customers having more than 10000 balance.**



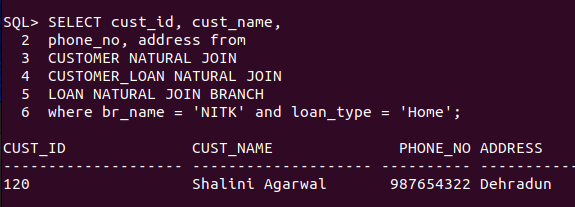
**19. Deduct 50 rupees from customers having less than 500 rupees in balance.**



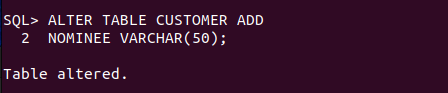
**20. Give the customer details having home loan.**



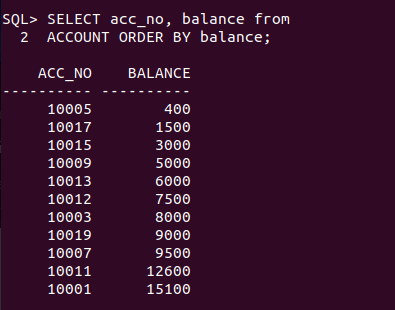
**21. Give the customer details having home loan in ‘NITK’ branch.**



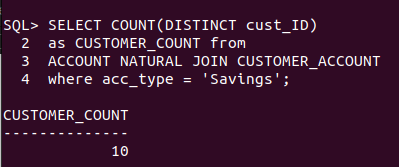
**22. Add a column NOMINEE to the customer table with data type varchar (50).**



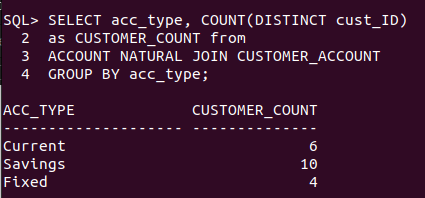
**23. List all the account numbers in ascending order of their balance.**



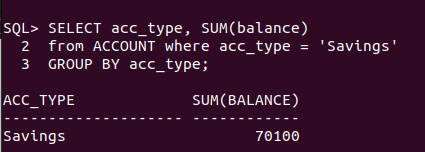
**24. Count the number of customers having account type savings.**



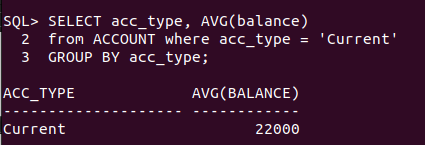
**25. Count the number of customers for each account type.**



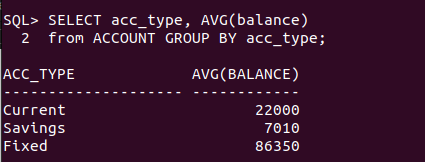
**26. Find the total balance in Savings account.**



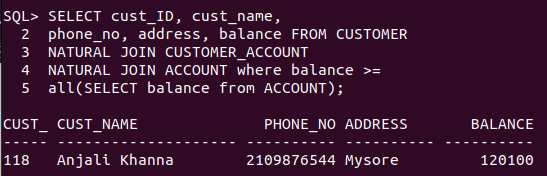
**27. Find the average balance of Current account.**



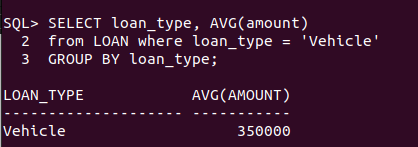
**28. Find the average balance for each account type.**



**29. Find the customer details having maximum balance.**



**30. Find the average amount for vehicle loan.**



**31. Find the average balance in each branch.**

