Mini Project - SQL

Domain: ICIC Bank Management System

Create a Bank Management System which has Multiple tables and relationships between the tables depending on the constraints which we are passing to connect the different tables. By using this database we will retrieve the information of particular customers and employees who are working in the bank. In this database, we will create a view also for a customer and the employees in the bank.

The Bank wants to build the database for their customer and employees with all the details like creating an account in a bank type of account which helps the bank to retrieve the data on one click so they can find out the day to day update easily on their database.

In this project, you have to build the database from scratch by using all the languages in SQL. First, you have to create an ER Model of the data and check the connection was correct or not also apply some all the keys in the ER Model and then go to the next step which is creating your own schema with name bank and start creating a table as per they required Here I share a table and the details.

Tables in the Database:-

Bank Details	**Employees**	**Customer**
Branch_code [p] (N)	Employee_id [P][N]	Account_No[P][N]
Address(V)	First_name[V]	First_Name[V] City[V]
Department_id [F](N)	Department_id[N][F]	Branch_code[F]
Branch_name(V)	Manager_id[N]	Employee_id[F][N]
State(V)	Job_id[V][F]	Phone_no[V] ATM NO
	Email[V]	[N][U] Exp_date [D]
	Hire_Date[D]	Pin_No[U][N]
	Phone_no[V] Salary[N]	
Department	**Job_Details**	**Account_Type**
Department_id [P] (N)	Job_id[P][N]	Account_no[P][N]
Department_name (V)	Department_id[F]	Type_Acc ount[V]
Manager_id (N)	Branch_code[F]	Manager_id[N]
Employee_id(N)		Department_name[V]
Account_no(N)[F]		Opening_Date[D]

There are six tables in the database which you have to create in your schemas.

Note:- N=Number, D=Date, V=Varchar2, P=Primary Key, F=Foreign Key, U=Unique Key.

These are the constraints and data types which we use while creating a Data.

Deliverables:-

- Step 1 Create an ER model of the table.
- Step 2 Create all Table Structure.
- Step 3 Insert Data In The Table.
- Step 3 Solve all the Data Retrieving Problems.
- Step 4 Submit the File in NotePad.

Dataset link:-

https://zdrv.in/QqBa7n

In this link, you will get the data to import in your schemas after creating a table.

After inserting the data, solve these Queries.

- Find an employee's whose id is 52 and branch name is icicp
- Count the number of employees working in the loan department and show its opening dates and address.
- Find details department name, address, branch code, dept _id, city of the account no 18190.
- Find department id, department name, job id whose only work in Loan, HR, admin.
- Find the type_account, state account number whose atm no 422748663.
- Create a view with that show address, branch name, department name, first name. phone no.
- Create view city, department name whose opening date is less than 24 May 04
- Create view only job id for clerk, manager, an accountant with all detail and name it employee job_deatils
- In the job details change the atm pin 423295535 with 42321992
- In the job, details change all sales account into admin and account type into saving

Deadline to submit the project:-

One Week.

ALL THE BEST