

Date: 11/04/2024

Assignment

1. Create the following table with the given data as follows.

empid	acno	ename	sal	bankname	branch	yearofjoin	pastexp	address
1001	123456	Pary	25000	SBI	mangalore	2020	3	mangalore
1002	234567	Nayan	28500	BOB	udipi	2021	2	mangalore
1003	345678	Alen	24500	UBI	bangalore	2022	1	manga
1004	456789	Mouni	36000	KMB	ujre	2020	3	nitte
1005	654321	Siddu	32500	SBI	mangalore	2021	4	nitte
1006	765432	Nikam	25000	KMB	mangalore	2023	0	udipi
1007	876543	Komal	24000	ICICI	udipi	2023	2	udipi
1008	987654	John	31000	HDFC	mangalore	2024	1	ujre
1009	129038	Enry	29000	BOI	udipi	2020	3	ujre
1010	123890	Lilli	28000	HDFC	ujre	2021	2	nitte
1011	890321	Peeter	36000	ICICI	mangalore	2022	0	mangalore
1012	789012	Bhuvi	34000	SBI	mangalore	2023	5	udipi
1013	123490	Danial	30000	UBI	ujre	2023	2	ujre
1014	102938	Umank	22500	ICICI	udipi	2024	1	nitte
1015	756234	Sandy	38900	KMB	udipi	2019	2	mangalore

15 rows in set (0.00 sec)

```
C:\Windows\System32\cmd.exe - mysql -u root -p
mysql> INSERT INTO employeerecords VALUES ('1001', '123456', 'Pary', 25000, 'SBI', 'mangalore', 2020, 3, 'mangalore');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1002', '234567', 'Nayan', 28500, 'BOB', 'udupi', 2021, 2, 'mangalore');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO employeerecords VALUES ('1003', '345678', 'Alen', 24500, 'UBI', 'bangalore', 2022, 1, 'mangalore');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1004', '456789', 'Mouni', 36000, 'KMB', 'ujire', 2020, 3, 'nitte');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1005', '654321', 'Siddu', 32500, 'SBI', 'mangalore', 2021, 4, 'nitte');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1006', '765432', 'Nikam', 25000, 'KMB', 'mangalore', 2023, 0, 'udupi');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1007', '876543', 'Komal', 24000, 'ICICI', 'udupi', 2023, 2, 'udupi');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1008', '987654', 'John', 31000, 'HDFC', 'mangalore', 2024, 1, 'ujire');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1009', '129038', 'Enry', 29000, 'BOI', 'udupi', 2020, 3, 'ujire');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1010', '123890', 'Lilli', 28000, 'HDFC', 'ujire', 2021, 2, 'nitte');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO employeerecords VALUES ('1011', '890321', 'Peeter', 36000, 'ICICI', 'mangalore', 2022, 0, 'mangalore');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO employeerecords VALUES ('1012', '789012', 'Bhuvi', 34000, 'SBI', 'mangalore', 2023, 5, 'udupi');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1013', '123490', 'Danial', 30000, 'UBI', 'ujire', 2023, 2, 'ujire');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1014', '102938', 'Umank', 22500, 'ICICI', 'udupi', 2024, 1, 'nitte');
Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO employeerecords VALUES ('1015', '756234', 'Sandy', 38900, 'KMB', 'udupi', 2019, 2, 'mangalore');
Query OK, 1 row affected (0.01 sec)
```

2. Write a query to display all the records from the table.

```
mysql> SELECT * FROM employeerecords;
```

empid	acno	ename	sal	bankname	branch	yearofjoin	pastexp	address
1001	123456	Pary	25000	SBI	mangalore	2020	3	mangalore
1002	234567	Nayan	28500	BOB	udupi	2021	2	mangalore
1003	345678	Alen	24500	UBI	bangalore	2022	1	mangalore
1004	456789	Mouni	36000	KMB	ujire	2020	3	nitte
1005	654321	Siddu	32500	SBI	mangalore	2021	4	nitte
1006	765432	Nikam	25000	KMB	mangalore	2023	0	udupi
1007	876543	Komal	24000	ICICI	udupi	2023	2	udupi
1008	987654	John	31000	HDFC	mangalore	2024	1	ujire
1009	129038	Enry	29000	BOI	udupi	2020	3	ujire
1010	123890	Lilli	28000	HDFC	ujire	2021	2	nitte
1011	890321	Peeter	36000	ICICI	mangalore	2022	0	mangalore
1012	789012	Bhuvi	34000	SBI	mangalore	2023	5	udupi
1013	123490	Danial	30000	UBI	ujire	2023	2	ujire
1014	102938	Umank	22500	ICICI	udupi	2024	1	nitte
1015	756234	Sandy	38900	KMB	udupi	2019	2	mangalore

```
15 rows in set (0.00 sec)
```

3. Write a query to display all the records from the table, whose branch and address both are the same.

```
mysql> SELECT * FROM employeerecords WHERE branch = address;
```

empid	acno	ename	sal	bankname	branch	yearofjoin	pastexp	address
1001	123456	Pary	25000	SBI	mangalore	2020	3	mangalore
1007	876543	Komal	24000	ICICI	udupi	2023	2	udupi
1011	890321	Peeter	36000	ICICI	mangalore	2022	0	mangalore
1013	123490	Danial	30000	UBI	ujire	2023	2	ujire

```
4 rows in set (0.00 sec)
```

4. Write a query to display employee acno, ename, bankname, and branch details whose salary is more than 30000.

```
mysql> SELECT acno, ename, bankname, branch FROM employeerecords WHERE sal > 30000;
```

acno	ename	bankname	branch
456789	Mouni	KMB	ujire
654321	Siddu	SBI	mangalore
987654	John	HDFC	mangalore
890321	Peeter	ICICI	mangalore
789012	Bhuvi	SBI	mangalore
756234	Sandy	KMB	udupi

```
6 rows in set (0.00 sec)
```

5. Write a query to display employee records who are earning less than 25000

```
mysql> SELECT * FROM employeerecords WHERE sal < 25000;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| empid | acno   | ename | sal   | bankname | branch | yearofjoin | pastexp | address |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1003  | 345678 | Alen  | 24500 | UBI      | bangalore | 2022      | 1      | mangalore |
| 1007  | 876543 | Komal | 24000 | ICICI    | udupi    | 2023      | 2      | udupi    |
| 1014  | 102938 | Umank | 22500 | ICICI    | udupi    | 2024      | 1      | nitte    |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

6. Write a query to display the employee record of who is earning the highest salary.

```
mysql> SELECT * FROM employeerecords WHERE sal = (SELECT MAX(sal) FROM employeerecords);
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| empid | acno   | ename | sal   | bankname | branch | yearofjoin | pastexp | address |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1015  | 756234 | Sandy | 38900 | KMB      | udupi    | 2019      | 2      | mangalore |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

7. Write a query to display the employee name who is earning less salary.

```
mysql> SELECT * FROM employeerecords WHERE sal = (SELECT MIN(sal) FROM employeerecords);
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| empid | acno   | ename | sal   | bankname | branch | yearofjoin | pastexp | address |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 1014  | 102938 | Umank | 22500 | ICICI    | udupi    | 2024      | 1      | nitte    |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

8. Write a query to the employee ename, acno, and bankname who are earning in between 25000 and 32000 (both are included).

```
mysql> SELECT ename, acno, bankname FROM employeerecords WHERE sal >= 25000 AND sal <= 32000;
+-----+-----+-----+
| ename | acno   | bankname |
+-----+-----+-----+
| Pary  | 123456 | SBI      |
| Nayan | 234567 | BOB      |
| Nikam | 765432 | KMB      |
| John  | 987654 | HDFC     |
| Enry  | 129038 | BOI      |
| Lilli | 123890 | HDFC     |
| Danial | 123490 | UBI      |
+-----+-----+-----+
7 rows in set (0.00 sec)
```

9. Write a query to display eid, ename, sal, acno who have an account in SBI bank.

```
mysql> SELECT empid, ename, sal, acno FROM employeerecords WHERE bankname = 'SBI';
+-----+-----+-----+-----+
| empid | ename | sal   | acno   |
+-----+-----+-----+-----+
| 1001  | Pary  | 25000 | 123456 |
| 1005  | Siddu | 32500 | 654321 |
| 1012  | Bhuvi | 34000 | 789012 |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

10. Write a query to display eid, ename, sal, acno who have an account in ICICI bank and from udipi branch.

```
mysql> SELECT empid, ename, sal, acno FROM employeerecords WHERE bankname = 'ICICI' AND branch = 'udupi';
+-----+-----+-----+-----+
| empid | ename | sal   | acno   |
+-----+-----+-----+-----+
| 1007  | Komal | 24000 | 876543 |
| 1014  | Umank | 22500 | 102938 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

11. Write a query to display eid, ename, sal, acno who have joined before 2023(2023 is excluded).

```
mysql> SELECT empid, ename, sal, acno FROM employeerecords WHERE yearofjoin < 2023;
+-----+-----+-----+-----+
| empid | ename | sal   | acno   |
+-----+-----+-----+-----+
| 1001  | Pary  | 25000 | 123456 |
| 1002  | Nayan | 28500 | 234567 |
| 1003  | Alen  | 24500 | 345678 |
| 1004  | Mouni | 36000 | 456789 |
| 1005  | Siddu | 32500 | 654321 |
| 1009  | Enry  | 29000 | 129038 |
| 1010  | Lilli | 28000 | 123890 |
| 1011  | Peeter | 36000 | 890321 |
| 1015  | Sandy | 38900 | 756234 |
+-----+-----+-----+-----+
9 rows in set (0.00 sec)
```

12. Write a query to display eid, ename, sal, acno, bankname and branch who have an account in SBI bank and joined after 2022.

```
mysql> SELECT empid, ename, sal, acno, bankname, branch FROM employeerecords WHERE bankname = 'SBI' AND yearofjoin >= 2022;
+-----+-----+-----+-----+-----+-----+
| empid | ename | sal   | acno   | bankname | branch |
+-----+-----+-----+-----+-----+-----+
| 1012  | Bhuvi | 34000 | 789012 | SBI      | mangalore |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

13. Write a query to display eid, ename, sal, acno, address who have joined early from mangalore.

```
mysql> SELECT empid, ename, sal, acno, address FROM employeerecords WHERE address = 'mangalore' AND
-> yearofjoin = (SELECT MIN(yearofjoin) FROM employeerecords);
+-----+-----+-----+-----+-----+
| empid | ename | sal   | acno   | address |
+-----+-----+-----+-----+-----+
| 1015  | Sandy | 38900 | 756234 | mangalore |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

14. Write a query to display eid, ename, sal, acno who have an account in SBI bank and whose name starts with 'p'.

```
mysql> SELECT empid, ename, sal, acno FROM employeerecords WHERE bankname = 'SBI' and ename LIKE 'P%';
+-----+-----+-----+-----+
| empid | ename | sal   | acno   |
+-----+-----+-----+-----+
| 1001  | Pary  | 25000 | 123456 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

15. Write a query to display the number of employees having the same salary and that salary from the table.

```
mysql> SELECT COUNT(*) AS 'Number of Employees', sal FROM employeerecords GROUP BY sal HAVING COUNT(*) > 1;
+-----+-----+
| Number of Employees | sal   |
+-----+-----+
| 2 | 25000 |
| 2 | 36000 |
+-----+-----+
2 rows in set (0.00 sec)
```