

1. Find the nth maximum salary from the employee table using correlated subquery.

```
246 • SELECT DISTINCT salary
247 FROM employeeetails e1
248 WHERE 1 = (
249     SELECT COUNT(DISTINCT salary)
250     FROM employeeetails e2
251     WHERE e2.salary > e1.salary
252 );
253
254
```

Result Grid

salary
160000

2. Create a function which takes 2 numbers as input and return the maximum value.

```
259 IF A > B THEN
260     RETURN A;
261 ELSE
262     RETURN B;
263 END IF;
264 END//
265 DELIMITER ;
266 • SELECT GETMAX(5,10);
267
268
```

Result Grid

GETMAX(5,10)
10

3. Write a query to display account number and total amount deposited by each account holder (Including the opening balance). Give the total amount deposited an alias name of Deposit_Amount. Display the records in sorted order based on account number.- Use the tables created in the previous handson.

```

271
272 • select A.AccountNumber,SUM(T.transaction_amount)+A.OpeningBalance AS Deposit_Amount from Account A
273 INNER JOIN transaction_details T ON A.AccountNumber = T.Account_number
274 WHERE T.transaction_type = 'Credit' GROUP BY T.Account_number ORDER BY A.AccountNumber;
275
276

```

Result Grid

AccountNumber	Deposit_Amount
180	3004
181	30654

4. Create table branch_master with columns
branch_id VARCHAR(6) -primary key
branch_name VARCHAR(30)
branch_city VARCHAR(30)
and Insert values into branch_master .

```

276 • Create table branch_master(
277     branch_id VARCHAR(6) primary key,
278     branch_name VARCHAR(30),
279     branch_city VARCHAR(30));
280
281 • INSERT INTO branch_master VALUES ('B1','Pollachi Main Branch','Pollachi'),
282     ('B2','Coimbatore Main Branch','Coimbatore');
283 • select * from branch_master;
284
285

```

Result Grid

branch_id	branch_name	branch_city
B1	Pollachi Main Branch	Pollachi
B2	Coimbatore Main Branch	Coimbatore
NULL	NULL	NULL

5. Add column branch_id in accounts_master and refer as foreign key to branch_id of branch_master.

287
288 • ALTER TABLE ACCOUNT ADD CONSTRAINT Foreign Key(Branch_ID) REFERENCES branch_master(branch_id) ;
289 • DESC ACCOUNT ;
290

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Result Grid | Filter Rows: | Export: | Wrap Cell Content: [IA](#)

Field	Type	Null	Key	Default	Extra
Branch_ID	varchar(30)	YES	MUL	NULL	
OpeningBalance	double	YES		NULL	
account_type	varchar(10)	YES		NULL	
account_status	varchar(10)	YES		NULL	
CreatedAt	date	YES		NULL	

Result 68 x