1. **Write the SQL code that will select the MOD_CODE and MOD_MANUFACTURER from the MODEL table where the MOD_CODE starts with "C".**

   Select MOD_CODE, MOD_MANUFACTURER From MODEL

   Where MOD_CODE Like 'C%';

2. **Write the SQL code that will select the EMP_NUM, EMP_LNAME and EMP_FNAME from the EMPLOYEE table where the EMP_FNAME is only five characters in length.**

Select EMP_NUM, EMP_LNAME, EMP_FNAME from EMPLOYEE

Where LEN(EMP_FNAME) = 5;

3. **Using the data in the CHARTER table, write the SQL code that will yield the sum CHAR_DISTANCE grouped by CHAR_DESTINATION. The results of running this query are shown below.**

CHAR_DESTINATION	DISTANCE
ATL	3893
BNA	672
GNV	6367
MOB	884
MQY	312
STL	1452
TYS	1932

Select CHAR_DESTINATION, SUM(CHAR_DISTANCE) As DISTANCE From CHARTER

Group By CHAR_DESTINATION;

4. **Using the data in the CHARTER table, write a query that will list the CHAR_DATE and CHAR_DESTINATION and a computed column for the total changes that is calculated by CHAR_HOURS_FLOWN * 1.29.**

```
Select CHAR_DATE, CHAR_DESTINATION, CHAR_HOURS_FLOWN * 1.29 As TotalChanges
From CHARTER;
```

5. **Write the SQL code required to list the MOD_CODE, MOD_NAME from the MODEL table where the MOD_NAME contains the word "Air".**

```
Select MOD_CODE, MOD_NAME From MODEL
Where MOD_NAME LIKE '%Air%';
```

6. **Write the SQL code required to list the sum of CHAR_DISTANCE from the CHARTER table where the CHAR_DESTINATION is "ATL". The results of running this query are shown below.**

TOTAL_DISTANCE
3893

```
Select SUM(CHAR_DISTANCE) As TOTAL_DISTANCE From CHARTER
Where CHAR_DESTINATION = 'ATL';
```

7. **Write the SQL code required to list the CHAR_DATE, CHAR_DESTINATION, CHAR_DISTANCE from the CHARTER table where the CHAR_DISTANCE is greater than 500 order by the CHAR_DISTANCE in descending order.**

```
Select CHAR_DATE, CHAR_DESTINATION, CHAR_DISTANCE From CHARTER
Where CHAR_DISTANCE > 500
Order By CHAR_DISTANCE DESC;
```

8. **Write the SQL code required to list the distinct CHAR_DESTINATION values (hint: research distinct)**

```
Select DISTINCT CHAR_DESTINATION
From CHARTER;
```

9. **Write the SQL code required to list the EMP_NUM and EARNRTG_DATE from the EARNEDRATING table where the RTG_CODE is equal to "CFI" and EMP_NUM is equal to 105.**

```
Select EMP_NUM, EARNRTG_DATE From EARNEDRATING
```

Where RTG_CODE = 'CFI' AND EMP_NUM = 105;

10. **Write the SQL code required to list the EMP_TITLE and RTG_CODE by joining the EARNEDRATING and EMPLOYEE tables (Make sure you are using an inner join).**

Select E.EMP_TITLE, ER.RTG_CODE From EMPLOYEE E

INNER JOIN EARNEDRATING ER ON E.EMP_NUM = ER.EMP_NUM;