

section 1

1-

```
SELECT * FROM CITY  
WHERE CountryCode = "USA"  
AND population >100000;
```

2-

```
SELECT NAME FROM CITY  
WHERE CountryCode = "USA"  
AND POPULATION >120000;
```

3-

```
SELECT * FROM CITY;
```

4-

```
SELECT * FROM CITY WHERE ID = 1661;
```

section 2

5-

```
SELECT DISTINCT CITY  
FROM STATION  
WHERE ID % 2 = 0;
```

6-

```
SELECT name  
FROM Employee  
ORDER BY name ASC;
```

7-

```
SELECT name FROM Employee  
WHERE salary>2000  
AND months <10
```

ORDER BY employee_id ASC;

section 3

8-

```
SELECT COUNT(NAME)
FROM CITY
WHERE POPULATION > 100000;
```

9-

```
SELECT SUM(POPULATION)
FROM CITY
WHERE DISTRICT = 'California';
```

10-

```
SELECT AVG(POPULATION)
FROM CITY
WHERE DISTRICT = 'California';
```

11-

```
SELECT FLOOR(AVG(POPULATION))
FROM CITY;
```

12-

```
SELECT MAX(POPULATION) - MIN(POPULATION) AS difference
FROM CITY;
```

section 4

13-

```
SELECT CITY.NAME FROM CITY
JOIN COUNTRY ON CITY.COUNTRYCODE = COUNTRY.CODE
WHERE CONTINENT = "Africa";
```

14-

```
SELECT SUM(CITY.POPULATION)
FROM CITY
JOIN COUNTRY ON CITY.COUNTRYCODE = COUNTRY.CODE
WHERE CONTINENT = 'Asia';
```

15-

```
SELECT COUNTRY.CONTINENT ,
FLOOR(AVG(CITY.POPULATION)) AS populationAVG
FROM CITY
JOIN COUNTRY ON CITY.COUNTRYCODE = COUNTRY.CODE
GROUP BY COUNTRY.CONTINENT;
```