

EXP 7: COMPLEX SQL QUERY-II

C1. Express in SQL queries.

Country(name,continent,population,, GDP, life-expectancy)

River(name,origin,lenth)

City(name, country, population) GDP and population in million

i) Find all countries whose GDP is greater than \$400 billion but less than \$1 trillion.

ii) List the life expectancy in countries that have river originating in them

iii) Find all cities that are either in china or whose population is less than 2 million.

iv) List all cities which are not in india.

```
SQL> select * from country;
```

NAME	CONTINENT	POPULATION	GDP
india	asia	1210000000	2.2600E+12
Bnagladesh	asia	1210000000	1.0000E+12

```
SQL> select * from country where GDP>400000000000 and GDP<1000000000000;  
no rows selected
```

```
SQL> select life_expectancy from country where name in (select origin from river);
```

LIFE_EXPECTANCY
80

```
SQL> select * from city where country = 'Bnagladesh' or population<2000000;
```

NAME	COUNTRY	POPULATION
madurai	india	1560000
dhaka	bangladesh	1340000

```
SQL>  
SQL> select * from city where country = 'india';
```

NAME	COUNTRY	POPULATION
madurai	india	1560000

EXP 7: COMPLEX SQL QUERY-II

C2. Employee(employee_no,company_name, salary)

i)The employee_no who is getting the lowest salary. The total salary of each company.

ii)The company which has the highest number of employees.

iii)The employee whose salary is higher than the average salary of ABC corporation.

iv)The employee whose salary is higher than the average salary of their company.

```
SQL> select * from Employee6;
```

EMPNO	COMP_NAME	SALARY
1	A	10000
2	A	8000
3	B	12000
4	B	6000

```
SQL> select empno from Employee6 where salary =(select min(salary) from Employee6);
```

EMPNO
4

```
SQL> select comp_name,sum(salary) from Employee6 group by comp_name;
```

COMP_NAME	SUM(SALARY)
A	18000
B	18000

```
SQL> select comp_name from Employee6 group by comp_name having count(empno)>=all(select count(empno) from Employee6 group by comp_name);
```

COMP_NAME
A
B

```
SQL> select empno from Employee6 where salary > (select avg(salary) from Employee6 where comp_name ='A');
```

EMPNO
1
3

```
SQL> select A.empno from Employee6 A where salary > (select avg(salary) from Employee6 B where A.comp_name =B.comp_name);
```

EMPNO
1
3