# LAB TASK # 7 NAME AHMED ALI ROLL NO. P19-0042

### **EXERCISE:**

### Question 1:

Write a query that displays the first name, last name of all employees who earn more than the average hourly rate. Do not display duplicate rows.

## Query:

SELECT DISTINCT EMP\_FNAME, EMP\_LNAME
FROM EMPLOYEE NATURAL JOIN HOURS
WHERE HOUR RATE > (SELECT AVG(HOUR RATE) FROM HOURS);

#### ANSWER.

#### Question 2.

Write a query to display an employee's first name, last name and date worked

which lists the difference between the number of hours an employee has worked on an

attraction and the average hours worked on that attraction. Label this column

'DIFFERENCE' and the average hours column 'AVERAGE'.

#### Answer:

SELECT EMP\_FNAME, EMP\_LNAME, DATE\_WORKED, (SELECT AVG(HOURS\_PER\_ATTRACT)
FROM HOURS) AS AVERAGE, HOURS\_PER\_ATTRACT - (SELECT AVG(HOURS\_PER\_ATTRACT)
FROM HOURS) AS DIFFERENCE FROM EMPLOYEE NATURAL JOIN HOURS;

```
EMP_FNAME | EMP_LNAME | DATE_WORKED | AVERAGE | DIFFERENCE |
             Calderdale
                          2007-05-18
                                         4.9091
 Emma
                                         4.9091
4.9091
4.9091
4.9091
             Calderdale
                          2007-05-20
2007-05-18
                                                       1.0909
 Marshel
             Ricardo
                                                       1.0909
 Arif
Arif
             Arshad
Arshad
                          2007-05-23
2007-05-21
                                                      -1.9091
1.0909
                                         4.9091
4.9091
4.9091
4.9091
 Arif
Enrica
                                                      -1.9091
1.0909
             Arshad
                          2007-05-22
                          2007-05-21
             Denver
 Enrica
Mirrelle
             Denver
Namowa
                          2007-05-22
2007-05-18
                                                      1.0909
-1.9091
                          2007-05-18
 Mirrelle
             Namowa
 Mirrelle
1 rows in set (0.002 sec)
```

### Question 3:

Write a query to find the attract capacity, with a attract capacity less than or equal to the average attract capacity.

### Answer:

SELECT ATTRACT\_CAPACITY FROM ATTRACTION WHERE ATTRACT\_CAPACITY <=
(SELECT AVG(ATTRACT\_CAPACITY) FROM ATTRACTION);</pre>

