

Compute the following:

1. Perform the following queries on "Locations" table:

- a. Select all locations that have the capacity between 200 and 1000 persons.

```
SELECT * FROM Locations WHERE Capacity BETWEEN 200 AND 1000
```

- b. Select all locations that have "a" in their name (LocationName).

```
SELECT LocationName FROM Locations WHERE LocationName LIKE '%a%'
```

- c. Select all locations that are not in Cluj-Napoca city.

```
SELECT * FROM Locations WHERE NOT City='Cluj-Napoca'
```

- d. Select all locations that have the cost 0, 500, 600, are in Brasov and Cluj-Napoca, and can sustain a capacity greater than 1000 persons.

```
SELECT LocationName, City, Capacity, Cost FROM Locations WHERE (City IN ('Brasov', 'Cluj-Napoca')) AND (Cost IN ('0', '500', '600')) AND (Capacity > 1000)
```

2. Perform the following queries on "Events" table:

- a. Return the results for min, max, average based on "EventCost" column.

```
SELECT MIN(EventCost) MinCost, MAX(EventCost) MaxCost, AVG(EventCost) AvgCost  
FROM Events
```

- b. Count how many events are associated to location 1 and 2.

```
SELECT COUNT(*) Count FROM Events WHERE (LocationID=1) OR (LocationID=2)
```

- c. Compute the average cost obtained from location 1.

```
SELECT AVG(Cost) AS 'Average Price' FROM Locations WHERE LocationID = '1'
```

- d. Order the events based on their defined date.

```
SELECT EventID, EventName, EventDate FROM Events ORDER BY EventDate
```

- e. Compute the total cost associated with each location (hint- "grouped by").

```
SELECT LocationName, Cost FROM Locations ORDER BY Cost
```

3. Perform the following queries using both tables:

a. Order LocationName, descending, by their associated EventCost.

```
SELECT l.LocationName, e.EventCost FROM Locations l, Events e WHERE  
l.LocationID=e.LocationID ORDER BY EventCost DESC
```

b. Select LocationName, location Cost and EventCost for a specific event (at your choice)

```
SELECT l.LocationName, l.Cost, e.EventCost FROM Locations l, Events e WHERE  
l.LocationID=e.LocationID AND EventName='Concert colinde'
```

c. Return, for each LocationID, the total EventCost, and then order the results descending (by LocationName).

```
SELECT l.LocationID, l.LocationName, e.EventCost FROM Locations l, Events e WHERE  
l.LocationID=e.LocationID ORDER BY LocationName DESC
```