



Princess Sumaya University for Technology
King Hussein Faculty of Computing Sciences
Computer Science Department

DB Lab
CS 11354
Spring Semester: 2022/2023
Lab Assignment # 2

Lab Exercises: use people table

1. Display all the information of the people who has the salary 120 or the city is 'Aqaba'. Sort the result by the id of the person.

```
select *  
from people  
where income =120 or city='Aqaba'  
order by person_id;
```

2. Find all the data of the people who has a mobile number start with '0711' and is 'male'

```
select *  
from people  
where mobile like '0711%' and gender='male';
```

3. Find the people id who has the mobile is not empty

```
select person_id  
from people  
where mobile is null;
```

4. Find the people first name, last name, age whose age is between 22 and 44, sort the result by age in descending order

```
select first_name, last_name, age  
from people  
where age between 22 and 44  
order by age desc;
```

5. Find all people data where their last name is not 'Ali'

```
select *  
from people  
where last_name <> 'Ali';
```

6. Find all people data where their city is not one of the following 'Amman', 'Aqaba', 'Irbid'

```
select *  
from people  
where city not in ('Amman', 'Aqaba', 'Irbid');
```



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7. Find the people first names who has the third letter of their first name is 'm'

```
select first_name  
from people  
where first_name like '__m%';
```

8. Find the first name, last name of the people who has a four letters first name, order the result by first name in ascending order and the family name in descending order

```
select first_name,last_name  
from people  
where length (first_name)=4  
order by first_name asc, last_name desc;
```

9. Write a query that list all the people first name followed by last name in one column where all the first name letters is initcap letters and the family name are capital case

```
select concat( initcap(first_name) ,concat(' ',upper(last_name)))  
from people ;
```

10. Write a query that display the serial from two digits (01, 02, .., 10,11,...), first name followed by the first three letters of family name, and the number of digits of his income.

```
Select lpad(person_id,2,'0'),first_name,substr(last_name,0,3),  
length(income)  
from people;
```