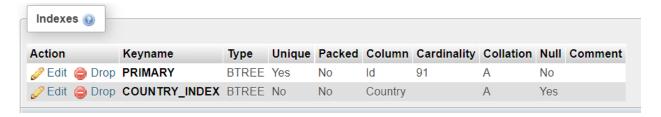
### **Question 01**

An index basically creates a key where it is defined as unique, primary or just simple. This is used to differentiate certain attributes of a table in a database.

#### Question 02

CREATE INDEX COUNTRY\_INDEX ON customer (country);



## **Question 03**

The engine of the table did not support DESC of indexes. Therefore we changed the engine of the table from "MYISAM" to "InnoDB"

CREATE INDEX PRICE\_INDEX ON product (UnitPrice DESC);



### **Question 04**

SHOW INDEXES FROM customer;



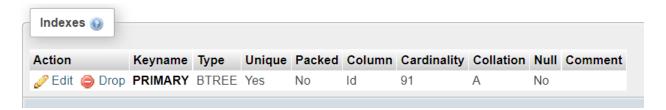
### **Question 05**

EXPLAIN SELECT COUNT(\*) FROM customer WHERE Country="Spain"



### **Question 06**

DROP INDEX COUNTRY\_INDEX ON customer;



### **Question 07**

CREATE UNIQUE INDEX CONTACT\_INDEX ON customer (Phone);



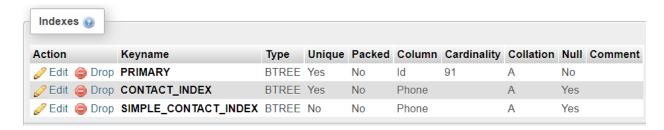
### **Question 08**

INSERT INTO customer(Id, FirstName, LastName, City, Country, Phone) VALUES (100,"Jenny","Mendel","Graz","Austria","7675-3425");



# **Question 09**

CREATE INDEX SIMPLE\_CONTACT\_INDEX ON customer (Phone);



## **Question 10**

ALTER TABLE customer DROP INDEX CONTACT\_INDEX, DROP INDEX SIMPLE\_CONTACT\_INDEX;

