
Worksheet Number: 1.2

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Branch: CSE-AIML

Section/Group: 21AML-9(A)

Semester: 3rd

Subject Code: 21CSH-243

Subject Name: Database Management System.

1. Aim/Overview of the practical:

Create table and specify Queries in SQL.

2. Algorithm:

- a. Start.
- b. Create a Table.
- c. Initialize the column with there data types.
- d. Insert the data in given format using quarry.
- e. Fetch the given data.
- f. Now insert the data in some particular columns.
- g. Stop

3. Code:

```
-- create
CREATE TABLE PERSONS (
  CustomerID INTEGER,
  CustomerName Text,
  ContactName Text,
  Address Text,
  City Text,
  PostalCode INTEGER,
  Country Text
);
```

```
1 -- create
2 CREATE TABLE PERSONS (
3     CustomerID INTEGER,
4     CustomerName Text,
5     ContactName Text,
6     Address Text,
7     City Text,
8     PostalCode INTEGER,
9     Country Text
10 );|
```

DATABASE SCHEMA

PERSONS	0 rows
CustomerID	INTEGER
CustomerName	TEXT
ContactName	TEXT
Address	TEXT
City	TEXT
PostalCode	INTEGER
Country	TEXT

-- insert

INSERT INTO PERSONS VALUES (89, 'White Clover Markets', 'Karl Jablonsk', ' 305 - 14th Ave', 'Seattle', 98128, 'USA');

INSERT INTO PERSONS VALUES (90, 'Wilman Kala', 'Matti Karttunen', 'Keskuskatu 45', 'Helsinki', 21240, 'Finland');

INSERT INTO PERSONS VALUES (91, 'Wolski', 'Zbyszek', ' ul. Filtrowa 68', 'Walla', 10112, 'Poland');

-- fetch

SELECT * FROM PERSONS;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	10112	Poland

-- insert in some coln

INSERT INTO PERSONS VALUES (92, 'Cardinal', 'Tom B. Erichsen', 'Skagen 21', 'Stavanger', 4006, 'Norway');

-- fetch

SELECT * FROM PERSONS;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

**INSERT INTO PERSONS (CustomerName, City, Country)
VALUES ('Cardinal', 'Stavanger', 'Norway');**

SELECT * FROM PERSONS;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway
NULL	Cardinal	NULL	NULL	Stavanger	NULL	Norway

-- fetch data with id greater the 91

SELECT * FROM PERSONS WHERE CustomerID>91;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

-- fetch data with id less 90

SELECT * FROM PERSONS WHERE CustomerID<90;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA

-- fetch data with id Equals to 2

SELECT * FROM PERSONS WHERE CustomerID=91;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland

-- fetch data with id greater then or equals 2

SELECT * FROM PERSONS WHERE CustomerID>=89;

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

Output:

```

1  -- create
2  CREATE TABLE PERSONS (
3    CustomerID INTEGER,
4    CustomerName Text,
5    ContactName Text,
6    Address Text,
7    City Text,
8    PostalCode INTEGER,
9    Country Text
10 );
11
12 -- insert
13 INSERT INTO PERSONS VALUES (89, 'White Clover Markets', 'Karl
14 Jablonsk', '305 - 14th Ave', 'Seattle', 98128, 'USA');
15 INSERT INTO PERSONS VALUES (90, 'Wilman Kala', 'Matti Karttunen',
16 'Keskuskatu 45', 'Helsinki', 21240, 'Finland');
17 INSERT INTO PERSONS VALUES (91, 'Wolski', 'Zbyszek', 'ul.
18 Filtrowa 68', 'Walla', 1012, 'Poland');
```

DATABASE SCHEMA

PERSONS	5 rows
CustomerID	INTEGER
CustomerName	TEXT
ContactName	TEXT
Address	TEXT
City	TEXT
PostalCode	INTEGER
Country	TEXT

QUERY RESULTS

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway
NULL	Cardinal	NULL	NULL	Stavanger	NULL	Norway

CustomerID	CustomerName	ContactName	Address	Address	City	PostalCode	Country
92	Cardinal	Tom B. Erichsen	Skagen 21	Skagen 21	Stavanger	4006	Norway

CustomerID	CustomerName	ContactName	Address	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	305 - 14th Ave	Seattle	98128	USA

CustomerID	CustomerName	ContactName	Address	Address	City	PostalCode	Country
91	Wolski	Zbyszek	ul. Filtrowa 68	ul. Filtrowa 68	Walla	1012	Poland

CustomerID	CustomerName	ContactName	Address	City	PostalCode	Country
89	White Clover Markets	Karl Jablonsk	305 - 14th Ave	Seattle	98128	USA
90	Wilman Kala	Matti Karttunen	Keskuskatu 45	Helsinki	21240	Finland
91	Wolski	Zbyszek	ul. Filtrowa 68	Walla	1012	Poland
92	Cardinal	Tom B. Erichsen	Skagen 21	Stavanger	4006	Norway

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	VIVA		10
2.	PERFORMANCE		12
3.	WORKSHEET		8