Department of Education

REGION IV-A CALABARZON
SCHOOLS DIVISION OF BACOOR CITY
SHS IN SAN NICHOLAS III, BACOOR CITY
SAN NICOLAS III, CITY OF BACOOR, CAVITE

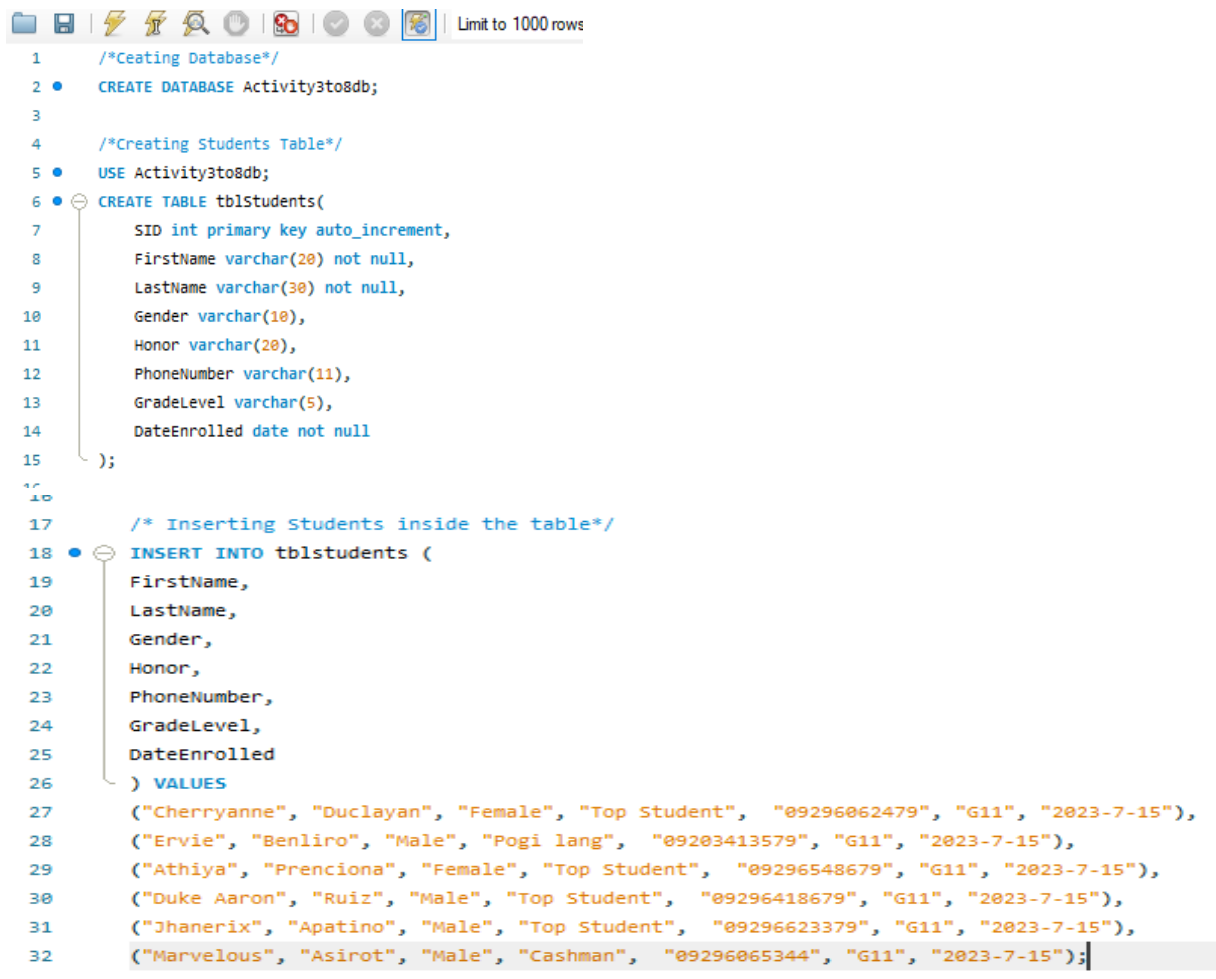**Performance Task 2**

Computer Programming – MySQL Workbench

Name: Benliro, Ervie A.   **Section:** ICT 11 - C

Date: April 24, 2024   **Teacher:** Ryan Roy

Creating Database and Table: (Students)

```sql
1    /*Ceating Database*/
2    CREATE DATABASE Activity3to8db;
3
4    /*Creating Students Table*/
5    USE Activity3to8db;
6    CREATE TABLE tblstudents(
7        SID int primary key auto_increment,
8        FirstName varchar(20) not null,
9        LastName varchar(30) not null,
10       Gender varchar(10),
11       Honor varchar(20),
12       PhoneNumber varchar(11),
13       GradeLevel varchar(5),
14       DateEnrolled date not null
15   );
16
17   /* Inserting Students inside the table*/
18   INSERT INTO tblstudents (
19   FirstName,
20   LastName,
21   Gender,
22   Honor,
23   PhoneNumber,
24   GradeLevel,
25   DateEnrolled
26   ) VALUES
27   ("Cherryanne", "Duclayan", "Female", "Top Student", "09296062479", "G11", "2023-7-15"),
28   ("Ervie", "Benliro", "Male", "Pogi lang", "09203413579", "G11", "2023-7-15"),
29   ("Athiya", "Prenciona", "Female", "Top Student", "09296548679", "G11", "2023-7-15"),
30   ("Duke Aaron", "Ruiz", "Male", "Top Student", "09296418679", "G11", "2023-7-15"),
31   ("Jhanerix", "Apatino", "Male", "Top Student", "09296623379", "G11", "2023-7-15"),
32   ("Marvelous", "Asirot", "Male", "Cashman", "09296065344", "G11", "2023-7-15");
--
```

Database and Table Result

#	Time	Action	Message	Duration / Fetch
8	14:57:01	DROP DATABASE `activity3to8db`	1 row(s) affected	0.250 sec
9	14:57:21	CREATE DATABASE Activity3to8db	1 row(s) affected	0.078 sec
10	14:57:21	USE Activity3to8db	0 row(s) affected	0.000 sec
11	14:57:21	CREATE TABLE tblStudents(SID int primary key auto_increment, FirstName varch...	0 row(s) affected	0.281 sec
12	14:57:21	INSERT INTO tblstudents (FirstName, LastName, Gender, Honor, PhoneNumber, ...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.109 sec
13	14:58:02	SELECT * FROM activity3to8db.tblstudents LIMIT 0, 1000	6 row(s) returned	0.015 sec / 0.000 sec

SID	FirstName	LastName	Gender	Honor	PhoneNumber	GradeLevel	DateEnrolled
1	Cherryanne	Duclayan	Female	Top Student	09296062479	G11	2023-07-15
2	Ervie	Benliro	Male	Pogi lang	09203413579	G11	2023-07-15
3	Athiya	Prenciona	Female	Top Student	09296548679	G11	2023-07-15
4	Duke Aaron	Ruiz	Male	Top Student	09296418679	G11	2023-07-15
5	Jhanerix	Apatino	Male	Top Student	09296623379	G11	2023-07-15
6	Marvelous	Asirot	Male	Cashman	09296065344	G11	2023-07-15
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Added Exercises and Activities

```
1        -- Exercise 1 (Select)
2  •     SELECT * FROM activity3to8db.tblstudents WHERE DateEnrolled = '2023-07-15';
3
4        -- Comparison Operators
5
6  •     SELECT * FROM tblstudents WHERE FirstName in ("Athiya","Cherryanne");
7
8  •     SELECT * FROM tblstudents WHERE FirstName like "E???e";
9
10       -- Logical Operators
11
12 •     SELECT * FROM tblstudents WHERE LastName = 'Benliro';
13
14 •     SELECT * FROM tblstudents WHERE LastName = "Asirot" and FirstName = "Marvelous"
15
16 •     SELECT * FROM tblstudents WHERE Honor = "Top Student";
17
18 •     SELECT * FROM tblstudents;
```

Phonebook Database and Table Creation

```sql
33
34 ●    CREATE DATABASE Phonebook;
35 ●    USE Phonebook;
36 ● ⊖  CREATE TABLE Phonebook (
37        RID int primary key auto_increment,
38        LastName varchar(30) not null,
39        FirstName varchar(30)not null,
40        Birthdate date not null,
41        LandPhone varchar(30),
42        MobilePhone varchar(30),
43        Street varchar(30),
44        Village varchar(30),
45        Baranggay varchar(30),
46        City varchar(30),
47        Province varchar(30)
48      );
49
50 ● ⊖  INSERT INTO Phonebook (
51        LastName,
52        FirstName,
53        Birthdate,
54        LandPhone,
55        MobilePhone,
56        Street,
57        Village,
58        Baranggay,
59        City,
60        Province
61      ) VALUES
62      ("Smith","John","1985-03-12","02-123-4567","0917-123-4567","123 Main Street","Oakwood Village","Barangay 1","Manila","Metro Manila"),
63      ("Johnson","Emily","1990-07-25","032-987-6543","0999-987-6543","456 Elm Street","Maplewood Village","Barangay 2","Cebu City","Cebu"),
64      ("Garcia","Carlos","1978-11-08","0755-876-5432","0922-876-5432","789 Oak Avenue","Riverside Village","Barangay 3","Quezon City","Metro Manila"),
65      ("Patel","Priya","2001-02-19","(045) 123-7890","0978-123-7890","321 Maple Drive","Green Valley Village","Barangay 4","Davao City","Davao del Sur"),
66      ("Kim","Minho","1989-09-30","082-567-8901","0945-567-8901","654 Pine Lane","Sunnybrook Village","Barangay 5","Baguio City","Benguet")
```

Database and Table Result

#	Time	Action	Message	Duration / Fetch
✓	74	15:26:26	SELECT * FROM tblstudents WHERE Honor = "Top Student" LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
✓	75	15:39:17	CREATE DATABASE Phonebook	1 row(s) affected	0.110 sec
✓	76	15:39:17	USE Phonebook	0 row(s) affected	0.000 sec
✓	77	15:39:17	CREATE TABLE Phonebook (RID int primary key auto_increment, LastName varc...	0 row(s) affected	0.625 sec
✓	78	15:39:29	SELECT * FROM phonebook.phonebook LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓	79	15:40:08	SELECT * FROM activity3to8db.tblstudents WHERE DateEnrolled = '2023-07-15' L...	6 row(s) returned	0.000 sec / 0.000 sec

RID	LastName	FirstName	Birthdate	LandPhone	MobilePhone	Street	Village	Baranggay	City	Province
1	Smith	John	1985-03-12	02-123-4567	0917-123-4567	123 Main Street	Oakwood Village	Barangay 1	Manila	Metro Manila
2	Johnson	Emily	1990-07-25	032-987-6543	0999-987-6543	456 Elm Street	Maplewood Village	Barangay 2	Cebu City	Cebu
3	Garcia	Carlos	1978-11-08	0755-876-5432	0922-876-5432	789 Oak Avenue	Riverside Village	Barangay 3	Quezon City	Metro Manila
4	Patel	Priya	2001-02-19	(045) 123-7890	0978-123-7890	321 Maple Drive	Green Valley Village	Barangay 4	Davao City	Davao del Sur
5	Kim	Minho	1989-09-30	082-567-8901	0945-567-8901	654 Pine Lane	Sunnybrook Village	Barangay 5	Baguio City	Benguet
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Added Activities (Phonebook)

I.

```
3      -- Task 1  Retrieve all records of those whose first names start with a particular letter
4
5 ●    SELECT * FROM phonebook WHERE FirstName LIKE 'C%';
6
7      -- Task 2 Retrieve all records of those who have a particular last name
8
9 ●    SELECT * FROM phonebook WHERE LastName LIKE 'S%';
10
11     -- Task 3 Retrieve all records of those who live in Metro Manila
12
13 ●   SELECT * FROM phonebook WHERE Province = "Metro Manila";
14
15     -- Task 4 Retrieve all records of those whose mobile phone carrier is Globe
16
17 ●   SELECT * FROM phonebook WHERE LandPhone = "Globe";
18
19     -- Task 5 Retrieve all records of those who live in a particular village
20
21 ●   SELECT * FROM phonebook WHERE Village = "Green Valley Village";
22
23 ●   SELECT * FROM phonebook;
```

Output Results

#	Time	Action	Message	Duration / Fetch
✓	64 16:41:59	SELECT * FROM phonebook WHERE FirstName LIKE 'C%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	65 16:41:59	SELECT * FROM phonebook WHERE LastName LIKE 'S%' LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	66 16:41:59	SELECT * FROM phonebook WHERE Province = "Metro Manila" LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec
✓	67 16:41:59	SELECT * FROM phonebook WHERE LandPhone = "Globe" LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
✓	68 16:41:59	SELECT * FROM phonebook WHERE Village = "Green Valley Village" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
✓	69 16:41:59	SELECT * FROM phonebook LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Added Activities (Phonebook)

II.

```
2
3       -- Task 1 Retrieve all records of those whose birthdate fall on a specific date.
4
5  •    SELECT * FROM phonebook WHERE DATE(Birthdate) = "1985-03-12";
6
7       -- Task 2 Retrieve all records of those who were born on a particular month
8
9  •    SELECT * FROM phonebook WHERE MONTH(Birthdate) = "11";
10
11      -- Task 3 Retrieve all records of those who were born on a particular day of a particular month.
12
13 •    SELECT * FROM phonebook WHERE DAY(Birthdate) = "30" AND MONTH(Birthdate) = "9";
14
15      -- Task 4 Retrieve all records of those who were born on a particular year
16
17 •    SELECT * FROM phonebook WHERE YEAR(Birthdate) = "2001";
18
19      -- Task 5 Retrieve all records of those who were born on any month except for January.
20
21 •    SELECT * FROM phonebook WHERE MONTH(Birthdate) !=1;
22
23      -- Task 6 Retrieve all records of those whose age is 13 or any particular age.
24
25 •    SELECT * FROM phonebook WHERE TIMESTAMPDIFF(YEAR, BIRTHDATE, CURDATE()) = 13;
26
```

Output Results

#	Time	Action	Message	Duration / Fetch
●	104	17:01:26	SELECT * FROM phonebook WHERE DATE(Birthdate) = "1985-03-12" LIMIT 0, 1...	1 row(s) returned	0.000 sec / 0.000 sec
●	105	17:01:26	SELECT * FROM phonebook WHERE MONTH(Birthdate) = "11" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
●	106	17:01:26	SELECT * FROM phonebook WHERE DAY(Birthdate) = "30" AND MONTH(Birthd...	1 row(s) returned	0.000 sec / 0.000 sec
●	107	17:01:26	SELECT * FROM phonebook WHERE YEAR(Birthdate) = "2001" LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
●	108	17:01:26	SELECT * FROM phonebook WHERE MONTH(Birthdate) !=1 LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
●	109	17:01:26	SELECT * FROM phonebook WHERE TIMESTAMPDIFF(YEAR, BIRTHDATE, CU...	0 row(s) returned	0.000 sec / 0.000 sec