



BICT.Honours in Information & Communication Technology

ICT1222 (P) Database Management Systems Practicum

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Lecturer : Ms. Malsha

Practical 01 Material 02

Name : H.P.G.L.P. Jayathilake

Student No : TG/2020/749

Department of Information & Communication Technology

Faculty of Technology

University of Ruhuna, Sri Lanka.



Practical 01 Material 02

Student No: **TG/2020/749**

Student Name: **H.P.G. Lahiru Prasad Jayathilake**

1. CREATE DATABASE TG749;

```
mysql> CREATE DATABASE TG749;_
```

2. SHOW DATABASES;

```
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| mysql        |
| performance_schema |
| sakila       |
| sys         |
| tg749        |
| world       |
+-----+
7 rows in set (0.00 sec)
```

3. USE tg749;

```
mysql> USE tg749;
Database changed
mysql> _
```

```
4. CREATE TABLE StudentDetails(Registration_No VARCHAR(11) NOT NULL,  
    Name VARCHAR(50),  
    Major VARCHAR(3),  
    Contact_No VARCHAR(11),  
    PRIMARY KEY(Registration_No)  
);
```

```
mysql> CREATE TABLE StudentDetails(Registration_No VARCHAR(11) NOT NULL,  
-> Name VARCHAR(50),  
-> Major VARCHAR(3),  
-> Contact_No VARCHAR(11),  
-> PRIMARY KEY(Registration_No)  
-> );_
```

```
5. DESC StudentDetails;
```

```
mysql> DESC StudentDetails;
```

Field	Type	Null	Key	Default	Extra
Registration_No	varchar(11)	NO	PRI	NULL	
Name	varchar(50)	YES		NULL	
Major	varchar(3)	YES		NULL	
Contact_No	varchar(11)	YES		NULL	

```
4 rows in set (0.00 sec)
```

```
6. SHOW TABLES;
```

```
mysql> SHOW TABLES;
```

Tables_in_tg749
orderdetails
studentdetails

```
2 rows in set (0.00 sec)
```

```
7. INSERT INTO studentdetails(Registration_No,Name,Major,Contact_No)
VALUES
('RUH/TEC/001','A.V. Jayantha','ICT','071-2233568'),
('RUH/TEC/002','K.J. Perera','ICT','077-4567891'),
('RUH/TEC/003','L.D. Teena','BST','078-5962348'),
('RUH/TEC/004','N. Dickwella','BST','075-3286954'),
('RUH/TEC/005','S. Matharaarchchi','ENT','071-4568927');
```

```
mysql> INSERT INTO studentdetails(Registration_No,Name,Major,Contact_No)
-> VALUES
-> ('RUH/TEC/001','A.V. Jayantha','ICT','071-2233568'),
-> ('RUH/TEC/002','K.J. Perera','ICT','077-4567891'),
-> ('RUH/TEC/003','L.D. Teena','BST','078-5962348'),
-> ('RUH/TEC/004','N. Dickwella','BST','075-3286954'),
-> ('RUH/TEC/005','S. Matharaarchchi','ENT','071-4568927');
```

```
8. SELECT * FROM studentdetails;
```

```
mysql> SELECT * FROM studentdetails;
```

Registration_No	Name	Major	Contact_No
RUH/TEC/001	A.V. Jayantha	ICT	071-2233568
RUH/TEC/002	K.J. Perera	ICT	077-4567891
RUH/TEC/003	L.D. Teena	BST	078-5962348
RUH/TEC/004	N. Dickwella	BST	075-3286954
RUH/TEC/005	S. Matharaarchchi	ENT	071-4568927

```
5 rows in set (0.00 sec)
```

```
9. CREATE TABLE OrderDetails(Order_ID INT AUTO_INCREMENT NOT NULL,
Registration_No VARCHAR(11),
Book_ID VARCHAR(20),
Book_Title VARCHAR(100),
PRIMARY KEY(Order_ID)
);
```

```
mysql> CREATE TABLE OrderDetails(Order_ID INT AUTO_INCREMENT NOT NULL,
-> Registration_No VARCHAR(11),
-> Book_ID VARCHAR(20),
-> Book_Title VARCHAR(100),
-> PRIMARY KEY(Order_ID)
-> );
```

10. DESC OrderDetails;

```
mysql> DESC OrderDetails;
```

Field	Type	Null	Key	Default	Extra
Order_ID	int	NO	PRI	NULL	auto_increment
Registration_No	varchar(11)	YES		NULL	
Book_ID	varchar(20)	YES		NULL	
Book_Title	varchar(100)	YES		NULL	

4 rows in set (0.00 sec)

11. INSERT OrderDetails (Registration_No,Book_ID,Book_Title)

VALUES

```
('RUH/TEC/001','483.45.ICT','Fundamentals of ICT'),
('RUH/TEC/001','123.89.NOV','Madoldoowa'),
('RUH/TEC/002','332.63.PHY','Fundamentals of Physics'),
('RUH/TEC/003','568.32.MAT','Trigonometry'),
('RUH/TEC/004','568.33.MAT','Matrics'),
('RUH/TEC/005','332.65.PHY','Vectors and Motion'),
('RUH/TEC/005','123.89.NOV','Madoldoowa'),
('RUH/TEC/002','483.45.ICT','Operrating Systems'),
('RUH/TEC/001','332.63.PHY','Fundamentals of Physics'),
('RUH/TEC/003','123.90.NOV','Gamperaliya');
```

```
mysql> INSERT INTO OrderDetails(Registration_No,Book_ID,Book_Title)
-> VALUES
-> ('RUH/TEC/001','483.45.ICT','Fundamentals of ICT'),
-> ('RUH/TEC/001','123.89.NOV','Madoldoowa'),
-> ('RUH/TEC/002','332.63.PHY','Fundamentals of Physics'),
-> ('RUH/TEC/003','568.32.MAT','Trigonometry'),
-> ('RUH/TEC/004','568.33.MAT','Matrics'),
-> ('RUH/TEC/005','332.65.PHY','Vectors and Motion'),
-> ('RUH/TEC/005','123.89.NOV','Madoldoowa'),
-> ('RUH/TEC/002','483.45.ICT','Operrating Systems'),
-> ('RUH/TEC/001','332.63.PHY','Fundamentals of Physics'),
-> ('RUH/TEC/003','123.90.NOV','Gamperaliya');
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0
```

12. SELECT * FROM OrderDetails;

```
mysql> SELECT * FROM OrderDetails;
```

Order_ID	Registration_No	Book_ID	Book_Title
1	RUH/TEC/001	483.45.ICT	Fundamentals of ICT
2	RUH/TEC/001	123.89.NOV	Madoldoowa
3	RUH/TEC/002	332.63.PHY	Fundamentals of Physics
4	RUH/TEC/003	568.32.MAT	Trigonometry
5	RUH/TEC/004	568.33.MAT	Matrics
6	RUH/TEC/005	332.65.PHY	Vectors and Motion
7	RUH/TEC/005	123.89.NOV	Madoldoowa
8	RUH/TEC/002	483.45.ICT	Operrating Systems
9	RUH/TEC/001	332.63.PHY	Fundamentals of Physics
10	RUH/TEC/003	123.90.NOV	Gamperaliya

10 rows in set (0.00 sec)

13. DELETE FROM OrderDetails;

```
mysql>  
mysql> DELETE FROM OrderDetails;_
```

14. DROP TABLE OrderDetails;

```
mysql> DROP TABLE OrderDetails;  
Query OK, 0 rows affected (0.02 sec)
```