



LABORATORY WORK BOOK

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Class: CSE-(AIMU)-C Semester: IV

Course Code: AITD05 Course Name: Database Management Systems laboratory

Name of the Course Faculty: MS. B. Shiksha

Faculty ID: IARE11140

Exercise Number: 01.1 - 01.2

Week Number: 01

Date: 24 January 2025

S. No.	Exercise Number	EXERCISE NAME	MARKS AWARDED						
			Aim/ Preparation	Algorithm / Procedure		Source Code	Program Execution	Viva - Voce	Total
				Performance in the Lab		Calculations and Graphs	Results and Error Analysis		
			4	4		4	4	4	20
1	1.1	Installation and Accessing database	4		4	4	4	4	20
2	1.2	Creating and deleting a database							
3									
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12									

M. Sai Charan
Signature of the Student

MS. B. Shiksha
Signature of the Faculty

Q1) Introduction: A Database Management System (DBMS) is a software system that is designed to manage and organize data in a structured manner. It allows users to create, modify and query a database, as well as manage the security and access controls for that database.

We can use different Database languages and PL/SQL programming for performing Database management in convenient manner.

• Software: Oracle

Installation of Oracle Database:

Step 1: Go to Main Database Folder where you'll find Setup. Right click the Setup.exe file and choose Run as administrator.

Step 2: Click Yes to Continue. This will start Oracle Universal installer.

Step 3: Select any of the three different Installation options according to your needs.

- option - 1: If you want to install Oracle Server software and want to create a database also.
- option - 2: If you want to Install Oracle Server only.
- option - 3: If you want to upgrade your Existing Database.

Step-4: Choose Between Server class and Desktop class as per your requirement and click on Next.

Step-5: Configure the basic settings and create a password for your database. Once the configuration is done click on Next to continue.

Step-6: Oracle Universal Installer (OUI) will check for the pre-requisites such as hardware compatibility.

Step-7: Click on Finish to start the Installation process. This installation might take some time depending on your hardware.

Step-8: Click OK to finish the installation.

Step-9: Copy the localhost link provided to open your Enterprise Manager.

Step-10: Click the Close Button and you are done with the installation process.

Go to Start Menu and

- Search Oracle Folder
- Click on Database Control - Oracle (Your Global Database Name).
- This will take you to the Login screen of your Oracle Enterprise Manager.

- ② Aim: Create a new database and delete a database using SQL commands.

Solution & output:

```
mysql > CREATE DATABASE Southwind;
```

Query OK, 1 row affected (0.01 sec)

```
mysql > show databases;
```

Database
Information - schema
mysql
Performance - schema
Southwind
Sys

5 rows in set (0.000 sec)

```
mysql > DROP DATABASE Southwind;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql > show databases;
```

Database
Information - schema
mysql
Performance - schema
Sys

4 rows in set (0.00 sec);

mysql > CREATE DATABASE IF NOT EXISTS Southwind;
Query OK, 1 row affected (0.01 sec)

mysql > show databases;

+	-	-	-	-	-	-	-	+
	D	a	t	a	b	a	s	e
+	-	-	-	-	-	-	-	+
	i	n	f	o	r	m	a	t
	m	y	s	q	l			
	P	e	r	f	o	r	m	a
	s	o	u	t	h	w	i	n
	s	y	s					
+	-	-	-	-	-	-	-	+

5 rows in set (0.00 sec)

mysql > DROP DATABASE IF EXISTS Southwind;
Query OK, 0 rows affected (0.01 sec)

mysql > show databases;

+	-	-	-	-	-	-	-	+
	D	a	t	a	b	a	s	e
+	-	-	-	-	-	-	-	+
	i	n	f	o	r	m	a	t
	m	y	s	q	l			
	P	e	r	f	o	r	m	a
	s	y	s					
+	-	-	-	-	-	-	-	+

4 rows in set (0.00 sec)

Result:

Database created Successfully.

Database deleted Successfully.

Commands Executed Successfully. ✓

~~Box~~