Connection code:
cd
cd xampp
cd mysql
cd bin
mysql –u root –p –h 127.0.0.1
Stored procedure
1) Create any database
Syntax:

Output:

```
MariaDB [(none)]> create database LAB6;
Query OK, 1 row affected (0.006 sec)

MariaDB [(none)]> use LAB6;
Database changed
```

2) Create two tables with following columns where underlined attributes represent primary key
Department(dep_id,dept_name,location,budget)
Employee(emp_id,emp_name,postion,salary,dept_id)
Syntax:

Output:

Field	Type	Null	Key	Default	Extra
dept_id	int(11)	NO	PRI	NULL	
dept_name	varchar(50)	YES		NULL	
location	varchar(50)	YES		NULL	
budget	decimal(12,2)	YES		NULL	

Syntax:

Output:

Field	Type	Null	Key	Default	Extra
emp_id	int(11)	NO	PRI	NULL	
emp_name	varchar(50)	YES		NULL	
position	varchar(50)	YES		NULL	
salary	decimal(10,2)	YES		NULL	
dept_id	int(11)	YES	MUL	NULL	

3) Insert at least 5 rows in Department tables
Syntax:

Output:

```
+---------+------------+------------+------------+
| dept_id | dept_name  | location   | budget     |
+---------+------------+------------+------------+
|       1 | IT         | Kathmandu  | 50000.00   |
|       2 | HR         | Biratnagar | 30000.00   |
|       3 | Marketing  | Pokhara    | 40000.00   |
|       4 | Finance    | Butwal     | 35000.00   |
|       5 | Operations | Dharan     | 45000.00   |
+---------+------------+------------+------------+
```

3) Insert at least 5 rows in employee tables
Syntax:

Output:

```
+--------+------------------+-----------+---------+---------+
| emp_id | emp_name         | position  | salary  | dept_id |
+--------+------------------+-----------+---------+---------+
|      1 | Pradip Paudel    | Manager   | 5000.00 |       1 |
|      2 | Roshan Pandey    | Developer | 3000.00 |       1 |
|      3 | Samjhana Bhattrai| Analyst   | 3500.00 |       2 |
|      4 | Anish Sharma     | Designer  | 2500.00 |       3 |
|      5 | Aakritee Bagale  | Tester    | 2000.00 |       3 |
+--------+------------------+-----------+---------+---------+
```

4)Create stored procedure without using parameters to
i)To Find all the information of employee.
Syntax:

Output:

```
+--------+------------------+-----------+---------+---------+
| emp_id | emp_name         | position  | salary  | dept_id |
+--------+------------------+-----------+---------+---------+
|      1 | Pradip Paudel    | Manager   | 5000.00 |       1 |
|      2 | Roshan Pandey    | Developer | 3000.00 |       1 |
|      3 | Samjhana Bhattrai| Analyst   | 3500.00 |       2 |
|      4 | Anish Sharma     | Designer  | 2500.00 |       3 |
|      5 | Aakritee Bagale  | Tester    | 2000.00 |       3 |
+--------+------------------+-----------+---------+---------+
```

ii) To Find emp_name, position, salary, dept_name of employee
Syntax:

Output:

```
+------------------------+-----------+----------+-----------+
| emp_name               | position  | salary   | dept_name |
+------------------------+-----------+----------+-----------+
| Pradip Paudel          | Manager   | 5000.00  | IT        |
| Roshan Pandey          | Developer | 3000.00  | IT        |
| Samjhana Bhattrai      | Analyst   | 3500.00  | HR        |
| Anish Sharma           | Designer  | 2500.00  | Marketing |
| Aakritee Bagale        | Tester    | 2000.00  | Marketing |
+------------------------+-----------+----------+-----------+
```

6)Create stored procedure to with using parameters
i) To find the information of employee of specified department
Syntax:

Output:

```
+--------+---------------+-----------+----------+---------+---------+-----------+-----------+----------+
| emp_id | emp_name      | position  | salary   | dept_id | dept_id | dept_name | location  | budget   |
+--------+---------------+-----------+----------+---------+---------+-----------+-----------+----------+
|      1 | Pradip Paudel | Manager   | 5000.00  |       1 |       1 | IT        | Kathmandu | 50000.00 |
|      2 | Roshan Pandey | Developer | 3000.00  |       1 |       1 | IT        | Kathmandu | 50000.00 |
+--------+---------------+-----------+----------+---------+---------+-----------+-----------+----------+
```

ii) To find the information of employee of specified employee name and department location.
Syntax:

Output:

```
+--------+---------------+-----------+----------+---------+---------+-----------+-----------+----------+
| emp_id | emp_name      | position  | salary   | dept_id | dept_id | dept_name | location  | budget   |
+--------+---------------+-----------+----------+---------+---------+-----------+-----------+----------+
|      1 | Pradip Paudel | Manager   | 5000.00  |       1 |       1 | IT        | Kathmandu | 50000.00 |
+--------+---------------+-----------+----------+---------+---------+-----------+-----------+----------+
```

Views

1) Create view for display the emp_id ,emp_name, position of employee

Syntax:

Output:

```
+---------+-------------------+------------+
| emp_id  | emp_name          | position   |
+---------+-------------------+------------+
|       1 | Pradip Paudel     | Manager    |
|       2 | Roshan Pandey     | Developer  |
|       3 | Samjhana Bhattrai | Analyst    |
|       4 | Anish Sharma      | Designer   |
|       5 | Aakritee Bagale   | Tester     |
+---------+-------------------+------------+
```

2) Create view for display emp_id, emp_name, position, dept_name, location

Syntax:

Output:

```
+---------+-------------------+------------+
| emp_id  | emp_name          | position   |
+---------+-------------------+------------+
|       1 | Pradip Paudel     | Manager    |
|       2 | Roshan Pandey     | Developer  |
|       3 | Samjhana Bhattrai | Analyst    |
|       4 | Anish Sharma      | Designer   |
|       5 | Aakritee Bagale   | Tester     |
+---------+-------------------+------------+
```

Fetch Data from the View (Different Requirements)

a) Display all employee details

Synrax:

Output:

```
+---------+-------------------+------------+-----------+------------+
| emp_id  | emp_name          | position   | dept_name | location   |
+---------+-------------------+------------+-----------+------------+
|       1 | Pradip Paudel     | Manager    | IT        | Kathmandu  |
|       2 | Roshan Pandey     | Developer  | IT        | Kathmandu  |
|       3 | Samjhana Bhattrai | Analyst    | HR        | Biratnagar |
|       4 | Anish Sharma      | Designer   | Marketing | Pokhara    |
|       5 | Aakritee Bagale   | Tester     | Marketing | Pokhara    |
+---------+-------------------+------------+-----------+------------+
```

b) Display employees working in a specific department

Syntax:

Output:

```
+---------+-------------------+----------+
| emp_id  | emp_name          | position |
+---------+-------------------+----------+
|      3  | Samjhana Bhattrai | Analyst  |
+---------+-------------------+----------+
```

c) Display employees working in a specific location
Syntax:

Output:

```
+---------+----------------+-----------+
| emp_id  | emp_name       | dept_name |
+---------+----------------+-----------+
|      1  | Pradip Paudel  | IT        |
|      2  | Roshan Pandey  | IT        |
+---------+----------------+-----------+
```

Display employees with a specific position
Syntax:

Output:

```
+---------+----------------+-----------+-----------+
| emp_id  | emp_name       | dept_name | location  |
+---------+----------------+-----------+-----------+
|      1  | Pradip Paudel  | IT        | Kathmandu |
+---------+----------------+-----------+-----------+
```

e) Display employee name and department only
Syntax:

Output:

```
+-------------------+-----------+
| emp_name          | dept_name |
+-------------------+-----------+
| Pradip Paudel     | IT        |
| Roshan Pandey     | IT        |
| Samjhana Bhattrai | HR        |
| Anish Sharma      | Marketing |
| Aakritee Bagale   | Marketing |
+-------------------+-----------+
```