Lab 8 VIEW & INDEX

VIEW

```
mysql> CREATE VIEW EmployeeDetails AS SELECT e.emp_id,e.name AS employee_name,e.salary,d.name as dept_name,p.project_name FROM Employee e join Department d ON e.d
ept_id=d.dept_id join Employee_Project ep ON e.emp_id=ep.emp_id join Project p ON ep.project_id=p.project_id;
Query OK, 0 rows affected (0.016 sec)

mysql> select * from employeedetails;
+--------+---------------+--------+-----------+--------------+
| emp_id | employee_name | salary | dept_name | project_name |
+--------+---------------+--------+-----------+--------------+
|    115 | Dean          | 150000 | Tech      | X            |
|    114 | Shimaa        | 200000 | HR        | X            |
|    111 | Zaineh        | 100000 | Tech      | X            |
|    115 | Dean          | 150000 | Tech      | Y            |
|    111 | Zaineh        | 100000 | Tech      | Y            |
|    115 | Dean          | 150000 | Tech      | Z            |
|    114 | Shimaa        | 200000 | HR        | Z            |
+--------+---------------+--------+-----------+--------------+
7 rows in set (0.003 sec)
```

INDEX

```
mysql> CREATE INDEX idx_employee_name ON Employee (name);
Query OK, 0 rows affected (0.077 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> SHOW INDEX FROM Employee;
```

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Index_type	Comment	Index_comment	Visible	Expression
Employee	0	PRIMARY	1	emp_id	A	5	NULL	NULL		BTREE			YES	NULL
Employee	1	emp_id	1	address_id	A	5	NULL	NULL		BTREE			YES	NULL
Employee	1	dept_id	1	dept_id	A	4	NULL	NULL		BTREE			YES	NULL
Employee	1	idx_employee_name	1	name	A	5	NULL	NULL	YES	BTREE			YES	NULL

```
4 rows in set (0.016 sec)
```