MySql\_Examination

Task- 1:

Create two tables: users and orders.

Each user can have multiple orders.

Write a SQL query to fetch the names of users along with the total number of orders they have placed.

use lakshmi;

create table users(u\_id int,u\_name varchar(30));

select \* from users;

insert into users values(1,'rama'),

(2,'karthik');

create table orders(orderid int,orderdate date);

select \* from orders;

insert into orders values(101,'2024-12-5'),

(102,'2024-11-30')

Task-2:

You are working with a database that stores information about students and their courses. There are

three tables: students, courses, and enrollments.

Write a SQL query to display the names of students along with the courses they have enrolled in.

select \* from stud;

create table stud(studid int,studname varchar(30),branch varchar(20),gender varchar(10),fee int);

insert into stud values(401,'prasad','ece','m',50000),

(402,'lalitha','cse','f',70000),

(403,'mamatha','it','f',60000),

(404,'rajesh','ece','m',50000),

(405,'lavanya','ds','f',55000);

create table cource(cname varchar(30),courcestart date,courceend date,fee int);

select \* from cource;

insert into cource values('devops','2024-11-20','2025-2-20',15000);

insert into cource values('java','2025-1-1','2025-6-1',30000);

insert into cource values('python','2025-2-20','2025-8-20',25000);

insert into cource values('dotnet','2024-12-20','2025-6-20',20000);

drop table cource;

Task-3:

You need to retrieve data from a database that tracks product sales. There are tables for products, sales,

and customers.

Write a SQL query to show the total sales amount for each product category.

Task-4:

You have a database containing information about employees in a company.

Write a SQL query to list the names of employees along with their respective managers&#39; names.

Task-5:

You are managing a database for an online store.

Write a query to retrieve the top 10 bestselling products based on the total number of units sold.

Task-6:

You have tables for students, courses, and grades.

Write a SQL query to display the average grade for each student.

Task-7:

You are working with a database for a social media platform.

Write a query to show the users who have the most friends.

Task-8:

You have tables for employees and departments.

Write a query to display the department names along with the total number of employees in each

department.

Task-9:

You need to retrieve data from a database tracking product inventory.

Write a query to display products with low stock (less than 10 units).

Task-10:

You have tables for customers and orders.

Write a query to show the average order value for each customer.

Task-11:

In a database storing movie information,

Write a query to show the top 5 highest-rated movies by users.

Task-12:

You have tables for invoices and payments.

Write a query to show the unpaid invoices and their total amount.