

I Roll Numbers ending with 1, 5,9

a. Consider the employee data.

Employee (employee-id, employee-name, street, city)

Works (employee-name, company-name, salary)

Company (company-name, city)

Manages (employee-name, manager-name)

- (i) Find the name of all employees who work for State Bank of India.
- (ii) Find the names and cities of residence of all employees who work for State Bank of India.
- (iii) Create a view for employee based on salary in ascending order.
- (iv) Find all employees in the database who earn more than every employee of UCO Bank.
- (v) Find the employee in the database who earn minimum in state bank of India
- (vi) Create a Function that displays the employee who earn maximum in SBI.
- (vii) Write a procedure which takes the city as input parameter and lists the names of all employees belonging to that city.
- (viii) Write a function that will display the number of employees with salary more than 50k.
- (ix) Write a procedure raise_sal which increases the salary of an employee. It accepts an employee number and salary increase amount.
- (x) Create a Procedure that displays the details of managers working in a bank

b. Design a simple database for Patient details Management System using Python and MySQL

- The insert module must be able to accept the patient_id, patient_name, diagnosis, Contact_no, Date_of_admission and store it in the database.
- The find module must be able to accept the Patient_id of the patient and display all the details of the corresponding patient.

II Roll Numbers ending with 3,7

a. Consider the following schema

Student (roll no, name, branch)

Exam (rollno, subject_code, obtained_marks, paper_code)

Papers (paper_code, paper_setter_name, university)

- (i) Display name of all student with their total mark
- (ii). Write a function to display maximum marks of students from the student table
- (iii) Display list number of student in each university.
- (iv) Display list of student who has not given any exam.
- (v) Display the roll numbers of the student's having same name
- (vi) Write a procedure to display the student's details who failed in more than two subjects
- (vii) Create a view for student based on marks in descending order.
- (viii) Write a function that will display the number of students with mark more than 75.
- (ix) Write a procedure raise_mark which increases the mark of a student. It accepts a roll number and mark increase value.
- (x) Write a function that will display the question paper setter who have set questions for more than two courses.

b. Design an online Resort Booking System using Python and MySQL.

Guest (Room_No, Guest_id, Name, Region, Phone_number).

Implement insert and display details module.