XII Practical File Program – 2021 Part II

While solving this part first write the question then the query as answer in ruled page and output in a table form in the corresponding white page side by side using pen.

SNo	Topic	Question
16	SQL	Write SQL statements to – a. Create a database XIISC in MySQL system and do as follows: (note: enter values in the format of yyyy-mm-dd under Dobdate and App_date e.g. '2006-02-28') With reference to following relations PERSONAL and JOB answer the questions that follow : Create following tables such that *Empno* and *Sno* are not null and unique, *date of birth* is after '12-Jan-1960', *name* is never blank, *Area* and *Native place* is valid, *hobby, dept* is not empty, *salary* is between 4000 and 10000.

Table : Personal

Empno	Name	Dobirth	Native-place	Hobby
123	Amit	23-Jan-1965	Delhi	Music
127	Manoj	12-dec-1976	Mumbai	Writing
124	Abhai	11-aug-1975	Allahabad	Music
125	Vinod	04-apr-1977	Delhi	Sports
128	Abhay	10-mar-1974	Mumbai	Gardening
129	Ramesh	28-oct-1981	Pune	Sports

Table : Job

Sno	Area	App_date	Salary	Retd_date	Dept
123	Agra	25-jan-2006	5000	25-jan-2026	Marketing
127	Mathura	22-dec-2006	6000	22-dec-2026	Finance
124	Agra	19-aug-2007	5500	19-aug-2027	Marketing
125	Delhi	14-apr-2004	8500	14-apr-2018	Sales
128	Pune	13-mar-2008	7500	13-mar-2028	Sales

c. Show number of employee area wise

d. Show the hobbies and native places of those whose name has as 'Abhay'

e. Increase salary of the employees by 5% of their present salary with hobby as Music

f. Show the hobby of which there are 2 or more employees

g. Show the appointment date & native place of those whose name starts with 'A' or ends with 'd'

h. Count the number of native places

i. Show the average salary of all employees of Agra and Delhi

j. Show the name of eldest employee

k. Show the salary expense with suitable column heading of those who shall retire after January 2006

l. Show empno, area, appointment date, department of the employees

m. Add a new column email in Job table

		n. Create a view of personal and job details of those who have served less than 15 years

17	Python-MySQL Connectivity	Write Python database Connectivity scripts based on the personal and job tables -
		  a. To increase the salary by 5% of those who earned in the range of 6000 to 8000
		  b. To show sno, name, hobby, and salary in descending order of salary
		  c. To deletes records of 'Ramesh'
		  d. To insert a new record in personal table. Take necessary inputs from user