

HOLIDAYS HOMEWORK

ASSIGNMENT FOR XI COMMERCE

Instruction: Use either project file or a scrap book

1. Prepare a project work on financial accounting on journal, ledger and trial balance for a business organization including (GST transactions). Your transactions should be at least 20
2. Project work on book building process of IPO/FPO for a company form of organization.
3. Project work for a business start-up in an Entrepreneurship Include the following points:
(a) Promotion (b) Incorporation (c) Capital subscription (d) Commencement of business
4. Prepare an Income and Expenditure account for the family budget for the month of June. Take expenditure on left side and write In come on right side.
5. What are the various business organization. Give examples of each form of organization with their working.?

ENGLISH

General Instructions

1. The project needs to be handwritten. No print outs would be accepted.
2. It should be presented in beautiful handwriting. Extra credit will be given for the same.
3. The project needs to be submitted in a simple, decently covered project file.
4. Originality and accuracy of the content will be given due credit.

Project

With a view to promote reading skills and develop precision in the writing skills, the students are required to prepare the summer holidays project file as under:

The students are required to read and paste any 11 articles chosen from the Editorial / OPED / Opinions page choosing any one of the newspapers given below:

1. The Hindu
2. The Tribune
3. Hindustan Times

The following tasks need to be done:

- i. Pasting the article on the Project file sheets.
- ii. Read the article thoroughly and write a summary of the same in about 250-300 words.
- iii. Translate the 11 articles into Punjabi and present the translations as a part of the project file.

The best projects will be selected and suitably rewarded.

INFORMATICS PRACTICES (IP)

1. Define the following terms:

(i) DBMS (ii) View (iii) data security (iv) data integrity (v) Relation
(vi) domain (vii) tuple (viii) attribute (ix) Degree (x) cardinality

1. What is data redundancy? What are the problems associated with it?

2. What is data model? Name various data model?

3. How do database management systems ensure data security and privacy?

4. What do you mean by referential Integrity? How it is enforced in DBMS?

5. What is Key? Define the following keys-

(i) Primary key (ii) Candidate key (iii) Alternate key (IV) Foreign key.

6. What types of commands are used in the following categories?

1. DDL 2. DML

3. TCL 4. System control commands

7. What do you mean by Data dictionary? What it consist of?

8. What is data type? Name some data types available in MySQL.

9. Compare Char and Varchar data types?

10. Which keyword eliminates the redundant data from a query result?

11. How would you display system date as the result of a query?

12. Which function is used to substitute Null values in a query result?

13. Which operator concatenates two strings in a query result?

14. What command is used for-

1. To change/open a database 2. To view the table structure.

15. Which comparison operator is used for comparing?

(i) Patterns (ii) character value (iii) null values (iv) ranges (v) list of values

16. Define a function. Why they are useful?

17. Write commands to display the system date.

18. Write a command to display the name of current month.

19. Write command to print the day of the week of your birthday in the year 1999.

20. What is the difference between SYSDATE() and NOW() function?

21. Consider two fields B_date, which stores the birth date and J_date, which stores the joining date of an employee. Write commands to find out and display the approximate age of an employee as on joining date.

22. Which is a constraint? Name some constraint that you can apply to enhance database integrity.

23. What is Primary key? What is PRIMARY KEY constraint?

24. What is the role of UNIQUE constraint? How is PRIMARY KEY constraint different from UNIQUE constraint?

25. What is NOT NULL constraint? What are DEFAULT constraints?

26. When column's value is skipped in an INSERT command, which value is inserted in the database?

27. How would you view the structure of table Dept?

28. command removes the table along with its structure and indexes.

29. command removes all the row but not table structure.

30. Identify the error in “DELETE ALL FROM TABLE EMPL” command ?

TYPE B : SHORT ANSWER QUESTIONS

1. What is Database Management System? Discuss its advantages.

2. What is Data Abstraction? Draw a diagram explaining various levels of data abstraction.

3. What is meant by “Data independence”? Explain difference between Logical and Physical data independence.

4. What is MySQL? Describe its features?

5. Differentiate between DDL and DML commands?

6. How constraints ensure the validity of data? Explain various types of constraints with example.

7. What is FOREIGN key? How do you define foreign key in your table?

8. How is FOREIGN KEY different from PRIMARY KEY command?

9. What is default value? How do you define it? What is default value for a column for which no value is defined?

10. Differentiate between:

(i) DROP TABLE & DROP DATABASE

(ii) DROP TABLE & DROP clause of ALTER TABLE.

11. Explain the following functions with syntax, purpose and example.

1) CONCAT() 2) SUBSTR() 3) TRIM() 4) INSTR() 5) MID() 6) MOD() 7) POW() 8) ROUND() 9) CURDATE() 10) NOW() 11) SYSDATE() 12) DAYNAME()

Table: Empl

empno	ename	job	mgr	hiredate	sal	comm
8369	SMITH	CLERK	8902	1990-12-18	800.00	NULL
8499	ANYA	SALESMAN	8698	1991-02-20	1600.00	300.00
8521	SETH	SALESMAN	8698	1991-02-22	1250.00	500.00
8566	MAHADEVAN	MANAGER	8839	1991-04-02	2985.00	NULL
8654	MOMIN	SALESMAN	8698	1991-09-28	1250.00	1400.00
8698	BINA	MANAGER	8839	1991-05-01	2850.00	NULL
8882	SHIVANSH	MANAGER	8839	1991-06-09	2450.00	NULL
8888	SCOTT	ANALYST	8566	1992-12-09	3000.00	NULL
8839	AMIR	PRESIDENT	NULL	1991-11-18	5000.00	NULL
8844	KULDEEP	SALESMAN	8698	1991-09-08	1500.00	0.00

12. Consider the Empl table and write SQL command to get the following.

a. Write a query to display EName and Sal of employees whose salary are greater than or equal to

2200?

b. Write a query to display details of employs who are not getting commission?

c. Write a query to display employee name and salary of those employees who don't have their salary in range of 2500 to 4000?

- d. Write a query to display the name, job title and salary of employees who don't have manager?
- e. Write a query to display the name of employee whose name contains "A" as third alphabet?
- f. Write a query to display the name of employee whose name contains "T" as last alphabet?
- g. Write a query to display the name of employee whose name contains "M" as First and "L" as third alphabet?
- h. Write a query to display details of employees with the text "Not given", if commission is null?