

1. Write the output of following queries ?

- a) SELECT MOD (73.2,6)+ ROUND(7326.6237,-2);
- b) SELECT UCASE (MONTHNAME ('2020-05-11'));
- c) SELECT ROUND (15.79, -1), ROUND (15.79, 0), ROUND (15.79, 1);
- d) SELECT INSTR(MID("INFORMATICS PRACTICES",3,15), "RA");
- e) SELECT DAYOFYEAR("1976-07-23")

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2. Preeti manages database in a blockchain start-up. For business purposes, she created a table named BLOCKCHAIN. Assist her by writing the following queries :

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TABLE : BLOCKCHAIN

id	user	value	hash	transaction_date
1	Steve	900	ERTYU	2020-09-19
2	Meesha	145	@345r	2021-03-23
3	Nimisha	567	#wert5	2020-05-06
4	Pihu	678	%rtyu	2022-07-13
5	Kopal	768	rrt4%	2021-05-15
7	Palakshi	534	wer@3	2022-11-29

- (i) Write a query to display the year of oldest transaction.
- (ii) Write a query to display the month of most recent transaction.
- (iii) Write a query to display all the transactions done in the month of May.
- (iv) Write a query to count total number of transactions in the year 2022.

3. Write suitable SQL queries for the following :

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- (i) To remove all the probable leading and trailing spaces from the column userid of the table named user.
- (ii) To display the length of the string 'FIFA World Cup'.
- (iii) Write a query to display the system date.

4. Write the SQL queries which will perform the following operations :

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- (i) To display the year from your Date of Admission which is '2023-05-15'.
- (ii) To convert your email id ABC@XYZ.com to lowercase.
- (iii) To remove leading spaces from a string 'my country'.