NAME:- SAHIL CHAUHDARI   REG.NO:-17BCE2056

ROLE:- REPORTS DEVELOPER

1)Write a query to print the number of employees per department in the organisation
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>>SELECT department, COUNT(*)
    FROM employee
    GROUP BY department;
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2)Write an SQL query to find the name of the top-level manager of each department.
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>>Select first_name, last_name from employee where employee_id in (select distinct manager from employee);
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3)Write a query to find the total incentive received by a given employee in a given month.

4)Write a query to find the month where employees got maximum incentive.

5)You have two sand timers, which can show 4 minutes and 7 minutes respectively. Use both the sand timers (at a time or one after other or any other combination)
and measure a time of 9 minutes.
>>
• Start by Flipping both timers over. When the 4-min timer is empty, flip it over (the 7-min sand timer has 3 minutes left in the top).

• When the 7-min sand timer is empty, flip it over (there is now 1 minute left in the top of the 4-min sand timer).

• When the 4-min sand timer is empty for the second time, the 7-min sand timer has 1 minute worth of sand within the bottom half.

• Flip the sand timer so that there is now 1 minute in the top. When the 7-min sand timer empties, 9 minutes have elapsed.

6)John and Mary are a married couple. They have two kids, one of them is a girl. Assume safely that the probability of each gender is 1/2.What is the probability that the other kid is also a girl?
>>the probability that the other kid is also a girl is 1/2.

7)The following appeared as part of a campaign to sell advertising time on a local radio station to local businesses.
Ron's Cafe began advertising on our local radio station this year and was delighted to see its business increase by 10 percent over last year's totals. Their success shows
you how you can use radio advertising to make your business more profitable.
Discuss how well reasoned you find this argument. In your discussion be sure to analyze the line of reasoning and the use of evidence in the argument. For
example, you may need to consider what questionable assumptions underline the thinking and what alternative explanations or counterexamples might weaken
the conclusion. You can also discuss what sort of evidence would strengthen or refute the argument, what changes in the argument would make it more logically
sound and what, if anything, would help you better evaluate in conclusion.

>>The author in the debate concludes that as cumquat cafe expanded its business by 10 percent over the last year by advertising on a local radio station, so other businesses should follow and advertise their businesses on local radio to make their business more profitable. However, the argument is flawed because it fails to provide sufficient support to support the argument.

First, we are told that Cumquat Cafe increased its business by 10 percent over the last year by advertising on local radio, but it has never been stated that even if the business growth was offset by the amount of money spent on advertising on a radio station. If the latter is true, companies may not actually increase their profits.

Second, Although we can assume that the cumquat coffee business has increased after being advertised on local radio, we cannot be sure that this will happen to other businesses. Most people who listen to the radio are probably coffee buyers, but have no interest in other products. Therefore, the author's actions based on a single case may not be true in some cases or businesses.

Finally, there could be other factors that could affect the success of a cafe business such as the opening of a new store or better management of cafe resources or the introduction of a new product in a well-sold cafe. Any of these reasons can report on business growth. Therefore, advertising on local radio may not be the only contribution to the growth of the cafe business.

As a result of the above the dispute is flawed and can be strengthened in the case of the above grievances.