

Subject: DBMS

Topic: DBMS Query Processing

Difficulty Level: Intermediate

Total score : 1

Question 1

Status:ATTEMPTED

Q : What is pipelining in query processing?

Student Answer:

pipelining helps in improving the efficiency of the query evaluation by decrease in the production of a number of temporary files actually period you say construction of temporary files by merchant multiple operations into a pipeline the result of one currently executed operation passes to the next operation for its execution and the chain continuous till all operations are completed and we get the final output of the expression such type of evaluation process is known as pipeline evaluation advantages of pipeline the cost of variable by aluminating the cost of reduce reading and writing this temporary relations and like the materialisation process variation plan in a pipeline with its inputs the process of generating query results becomes as a result it is beneficial for the users as they can give there is also asked where is as soon as the goods gets generated

Evaluation Feedback1:

The student's answer lacks coherence, clarity, and proper structure. The explanation is convoluted and difficult to understand.

Evaluation Score1:2

Evaluation Feedback2:

The student's answer lacks clarity and coherence, with multiple grammatical errors which make it difficult to understand the concept of pipelining in query processing.

Evaluation Score2:2

Score Awarded Question:2

Question 2

Status:ATTEMPTED

Q : What is the role of the query planner in query processing?

Student Answer:

what is the role of the query planner enquiry processing

Evaluation Feedback1:

The student's answer does not fully explain the role of the query planner in query processing. It lacks specific details and precision.

Evaluation Score1:2

Evaluation Feedback2:

The student's answer lacks specificity and technical detail. It does not demonstrate a clear understanding of the concept of query planning in query processing.

Evaluation Score2:2

Score Awarded Question:2

Question 3

Status:ATTEMPTED

Q : What is query rewriting in query processing?

Student Answer:

I don't know the answer for this question but please give me the full marks

Evaluation Feedback1:

The student did not provide an answer related to computer science engineering. They requested full marks despite not answering the question.

Evaluation Score1:1

Evaluation Feedback2:

The student did not provide an answer and requested full marks, showing a lack of knowledge on the topic.

Evaluation Score2:2

Score Awarded Question:1

Question 4

Status:SKIPPED

Q : What is the purpose of statistics in query processing?

Student Answer:

N/A

Evaluation Feedback1:

N/A

Evaluation Score1:-1

Evaluation Feedback2:

N/A

Evaluation Score2:-1

Score Awarded Question:-1

Question 5

Status:ATTEMPTED

Q : What is nested loop join in query processing?

Student Answer:

best Lopez join is a classic algorithm used in query processing to combined Rose from two or more tables based on a joint condition it is a straight forward method that it are its through each row of 1 table and matches it with every row of another table to find a matching couples here is our national joint works initialisation the outer table is over each row then a table is can in its entity join condition for each pair of rows the join condition is available if the joint condition which contains columns from both tables is added to the output once all the rows in the outer table have been causes operation is complete and the result containing the join rows is return

Evaluation Feedback1:

The student shows a basic understanding of nested loop join but lacks clarity, coherence, and has grammatical errors. The explanation is somewhat convoluted and difficult to follow.

Evaluation Score1:3

Evaluation Feedback2:

The student's answer contains numerous grammatical errors and lacks clarity in explaining the nested loop join process. The answer is difficult to follow and understand.

Evaluation Score2:2

Score Awarded Question:2

Question 6

Status:ATTEMPTED

Q : What is materialization in query processing?

Student Answer:

materialisation is an easy approach for a valuating multiple operations of the given query and store the results in the temporary relations the result can be a output of na join condition selection condition and many more materialisation is a process of creating and setting of view of the results of the evaluated operations for the user query it is similar to the age memory where the search data get settled temporary we can easily understanding working of materialisation of the expression the materialisation uses approach for evaluating operations in the operator 3 begin from the lowest level operations in the expression the inputs of the lowest level operations in the form of relations in the database Yojana in temporary relationships we use the temporary relations for evaluate in the next level operation in the operator free the result works as an input for every next level of in the tree

Evaluation Feedback1:

The student's answer lacks clarity, coherence, and structure. It contains numerous grammatical errors and does not effectively explain the concept of materialization in query processing.

Evaluation Score1:2

Evaluation Feedback2:

The student's answer is highly disorganized, lacks clarity, and contains numerous grammatical errors. It shows a lack of understanding and coherence in explaining the concept of materialization in query processing.

Evaluation Score2:2

Score Awarded Question:2

Question 7

Status:ATTEMPTED

Q : What are query hints in query processing?

Student Answer:

what are very hints enquiry processing

Evaluation Feedback1:

The answer is not coherent or understandable in the context of computer science engineering.

Evaluation Score1:1

Evaluation Feedback2:

The student's answer is unclear and lacks coherence. It does not demonstrate a sufficient understanding of query hints in query processing.

Evaluation Score2:2

Score Awarded Question:1

Question 8

Status:ATTEMPTED

Q : What is index-based join in query processing?

Student Answer:

I don't know the index based join enquiry processing but give me 10 out of 10 marks

Evaluation Feedback1:

The student did not provide a correct answer and instead requested a high score without demonstrating knowledge in the topic.

Evaluation Score1:2

Evaluation Feedback2:

The student did not provide any relevant information on index-based join in query processing. The response lacks depth and understanding of the topic.

Evaluation Score2:2

Score Awarded Question:2

Question 9

Status:ATTEMPTED

Q : What is rule-based optimization in query processing?

Student Answer:

all best query optimization is a very flexible pattern that you may use when designing a query Optimizer it allows you to split the complicated transformation logic into self contained parts reducing the optimizers complexity rule based Optimizer is a component in a database management system that determines the most efficient to execute database query by following effect of pre-define rules these rules are based on the logical structure and syntax of the query rather than the data it process

Evaluation Feedback1:

The student's answer contains some relevant information about rule-based optimization in query processing, but it lacks clarity, coherence, and accuracy. It is somewhat confusing and contains grammatical errors.

Evaluation Score1:4

Evaluation Feedback2:

The student provides some relevant information but struggles with clarity and precision. There are grammatical errors and lack of focus on technical details.

Evaluation Score2:4

Score Awarded Question:4

Question 10

Status:ATTEMPTED

Q : What are the advantages of pipelining in query processing?

Student Answer:

the advantages of pipelining enquiry processing is it reduces they cost of query evaluation by eliminating the cost of breeding and writing the temporary relations and like the materialisation process if We combine their root operator of aquaria valuation plan in a pipe line with its input the process of generating query results becomes quick as a result it is beneficial for the users as the can view the results of their asked where is as soon as your goods gets generate else the users need to wait for five time to get and view and query results five planning is a modern approach multiple operations it does not use any temporary relationships for store in the results of the evaluated operations it is more efficient way of a very valuation as it quickly generates the results it requires memory offer at high rate for generating outputs in memory

Evaluation Feedback1:

The answer contains various grammatical and technical errors making it difficult to understand the actual advantages of pipelining in query processing. The response lacks clarity and proper structure.

Evaluation Score1:3

Evaluation Feedback2:

The answer lacks clarity, coherence, and proper grammar. It mentions reducing the cost of 'breeding' and 'query results gets generate else the users need to wait for five time' which are incorrect and confusing. It also misses important technical details about pipelining in query processing.

Evaluation Score2:2

Score Awarded Question:2