

PROFILE REPORT

CANDIDATE DETAILS



Gopinath (Maantt_08)

gopinath@maantt.com

Group Name : Development

OVERALL COMPETENCY

Pass

Pass Percentage : 10

100%

ASSESSMENT DETAILS

Name : DBMS DB Refresh

Test Marks : 4.00

No.of Questions : 1

Penalty : No

Partial Marks : Yes

ATTEMPT DETAILS

Attempt No : 1

Started At : 23-05-2019 3:26PM

Submitted At : 23-05-2019 3:32PM

Time Taken : 6 Mins

CANDIDATE SCORE

Questions Answered : 4.00

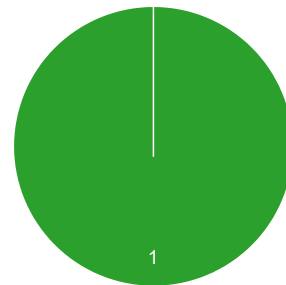
Questions Not Answered : 0

Marks for Correct Answer : 4.00

Partial Marks : 0.00

Your Score : 100.00

ANSWER SUMMARY



■ Not Answered ■ PartiallyCorrect
■ Correct ■ In correct

ROAD TRANSPORT AND HIGHWAYS

Problem Statement:

Ministry of **Road Transport and Highways** plans to construct a highway in south India. To start the project, Highway department plans to acquire the lands in south India. The middle level management collects all the data for the acquisition lands and presented in the below data structure with the help of data specialist. The management and financial team requested set of details to make few decisions and payments.

As a technical person you are requested to understand the data structure and answer to the management and financial queries.

Following are the list of tables are already defined

TABLE NAME	TABLE DESCRIPTION
STATES	This table contains details about States
DISTRICT	This table contains details about Districts
DEPARTMENT	This table contains details about Department
LAND	This table contains details about Lands
LAND_DETAIL	This table contains details about Land details

1. DISPLAY THE DISTRICT AND ITS STATE


Write a query to display the district and its state which has less land acquisition?

The query should return District Code, District Name, State Name and Sum of land acquired

SUBMITTED QUERY

```
SELECT TOP 1 D.DISTRICT_CODE ,D.DISTRICT_NAME ,S.STATE_NAME , SUM(LD.AREA_IN_SQMT) AS  
LAND_ACQUISITION FROM DISTRICT D INNER JOIN LAND_DETAIL LD ON D.DISTRICT_CODE = LD.DISTRICT_CODE  
INNER JOIN STATES S ON S.STATE_CODE = LD.STATE_CODE GROUP BY D.DISTRICT_CODE ,D.DISTRICT_NAME  
,S.STATE_NAME ORDER BY LAND_ACQUISITION;
```

TEST CASE EXECUTION

Test Case Name	Test Case Description	Primary TestCase	Secondary TestCase
Validate the land acquisition for Districts and States	This test case validates the list of districts and states which contains less land acquisition		N/A

2. LIST ALL THE DEPARTMENTS WHICH HAS MORE LAND ACQUISITION

Write a query to display the list of all departments which has land acquisition?.

The query should return Department Code, Department Name, Total land acquisition as LAND_ACQUISITION and sort LAND_ACQUISITION by Ascending order.

SUBMITTED QUERY

```
SELECT DP.DEPARTMENT_CODE ,DP.DEPARTMENT_NAME ,SUM(LD.AREA_IN_SQMT) AS LAND_ACQUISITION FROM DEPARTMENT DP INNER JOIN LAND_DETAIL LD ON DP.DEPARTMENT_CODE = LD.DEPARTMENT_CODE INNER JOIN STATES S ON S.STATE_CODE = LD.STATE_CODE GROUP BY DP.DEPARTMENT_CODE, DP.DEPARTMENT_NAME ORDER BY LAND_ACQUISITION;
```

TEST CASE EXECUTION

Test Case Name	Test Case Description	Primary TestCase	Secondary TestCase
Validate land acquisition by Departments	This test case validates the land acquisition by Departments	✓	✓

3. LIST OF ALL THE STATES AND IT'S TOTAL ACQUISITION AREA

Write a query to display the list of all the states and it's total acquisition area?.

The query should display State code, State Name, Total acquisition as ACQUISITION

SUBMITTED QUERY

```
SELECT LD.STATE_CODE ,S.STATE_NAME ,SUM(LD.AREA_IN_SQMT) AS ACQUISITION FROM STATES S INNER JOIN LAND_DETAIL LD ON S.STATE_CODE = LD.STATE_CODE WHERE LD.TYPE_OF_LAND = 'GOVT' GROUP BY LD.STATE_CODE,S.STATE_NAME;
```

TEST CASE EXECUTION

Test Case Name	Test Case Description	Primary TestCase	Secondary TestCase
----------------	-----------------------	------------------	--------------------

Test Case Name	Test Case Description	Primary TestCase	Secondary TestCase
----------------	-----------------------	------------------	--------------------

4. PRIVATE LANDS HAS TO PAY MORE MONITORY

Display all the private lands have to pay monitory and the query should return Survey Number, State name, District name, and Monitory value as MONITORY.

SUBMITTED QUERY

```
SELECT LD.STATE_CODE ,S.STATE_NAME ,SUM(LD.AREA_IN_SQMT) AS ACQUISITION FROM STATES S INNER JOIN LAND_DETAIL LD ON S.STATE_CODE = LD.STATE_CODE WHERE LD.TYPE_OF_LAND = 'GOVT' GROUP BY LD.STATE_CODE,S.STATE_NAME;
```

TEST CASE EXECUTION

Test Case Name	Test Case Description	Primary TestCase	Secondary TestCase
Validate the private lands to pay more monitory	This test case validates the list of private lands to pay more monitory	✓	N/A