Project No: 16	Student Details

Project Title: Travelling sales man problem implementation using python.

Project Description:
A travelling sales man problem involves a sales man who must make a tour of 5 cities Ludhiana, Jalandhar, Amritsar, Chandigarh, Patiala. Using the shortest path available by visiting each city exactly once and return to the starting city.

Map of following problem consider as :

City	Ludhiana	Jalandhar	Amritsar	Chandigarh	Patiala
Ludhiana	0	61 KM	140 KM	106 KM	93 KM
Jalandhar	61 KM	0	80 KM	149 KM	154 KM
Amritsar	140 KM	80 KM	0	229 KM	235 KM
Chandigarh	106 KM	149 KM	229 KM	0	75 KM
Patiala	93 KM	154 KM	235 KM	75 KM	0

Find the shortest path considering starting city Ludhiana, Jalandhar, Amritsar, Chandigarh, and Patiala respectively.

Rubrics:
- Pre-submission report - includes module wise description, role and responsibility of each group members and work plan as Gantt chart (5 Marks)
- Hard copy report (5 Marks)
- Viva and Presentation(10 Marks)
- Project Code (10 Marks)
- Each group must submit <u>one print out hard copy of report and one CD includes soft copy of report, running project folder</u>.

Note: Above mentioned project description is minimum requirement, you can add new feature, new better look according to your requirement.