

Academic Task Number: 01

Course code: CSI322

Date of allotment: 03-Mar-2025

Course Title: SPARKS AND SCALA

Date of submission: 03-Mar-2025

Maximum Marks: 20 Practical +10 theories

Question 1: Determine Triangle Type

Write a Scala program that takes three sides of a triangle as input and determines its type:

- Equilateral Triangle: All three sides are equal.
- Isosceles Triangle: Exactly two sides are equal.
- Scalene Triangle: All three sides are different.

Question 2: Data Cleaning & Sales Analysis

Dataset - https://drive.google.com/drive/folders/1pEEoY2C1enozq28WlyRAgKMDW3HoCCc-?usp=drive_link

Perform data cleaning and analyse the dataset to answer the following business questions:

Sales Analysis Questions

1. Total Sales by Department: What is the total sales amount for each department?
2. Top Sales Employee: Which employee has made the highest number of sales?
3. Zero Sales Employees: How many employees have zero recorded sales?
4. Revenue per Employee: What is the total revenue generated by each employee?
5. Best Sales Month: Identify the month with the highest sales.
6. Top-Contributing Department: Which department contributes the most to overall sales?