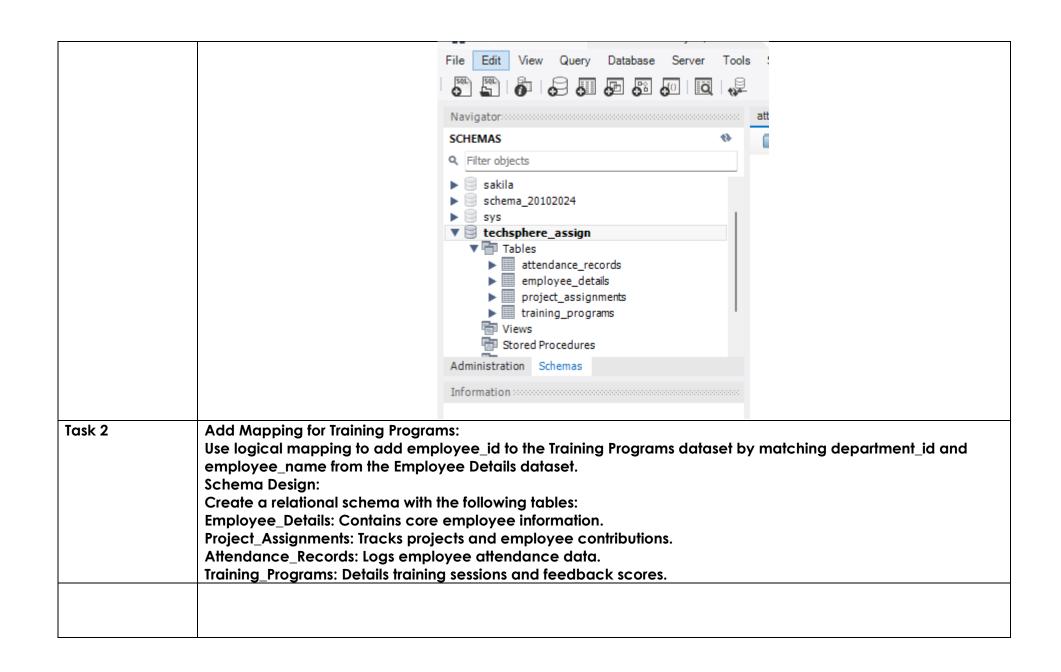
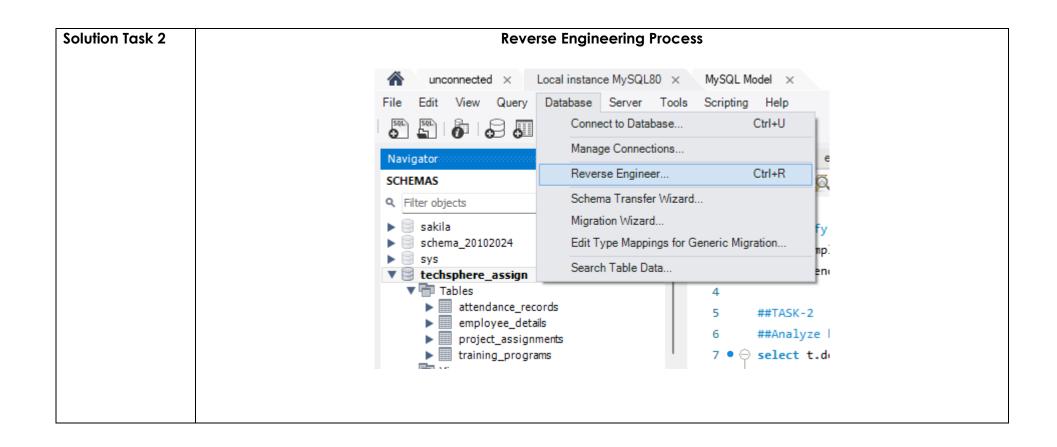
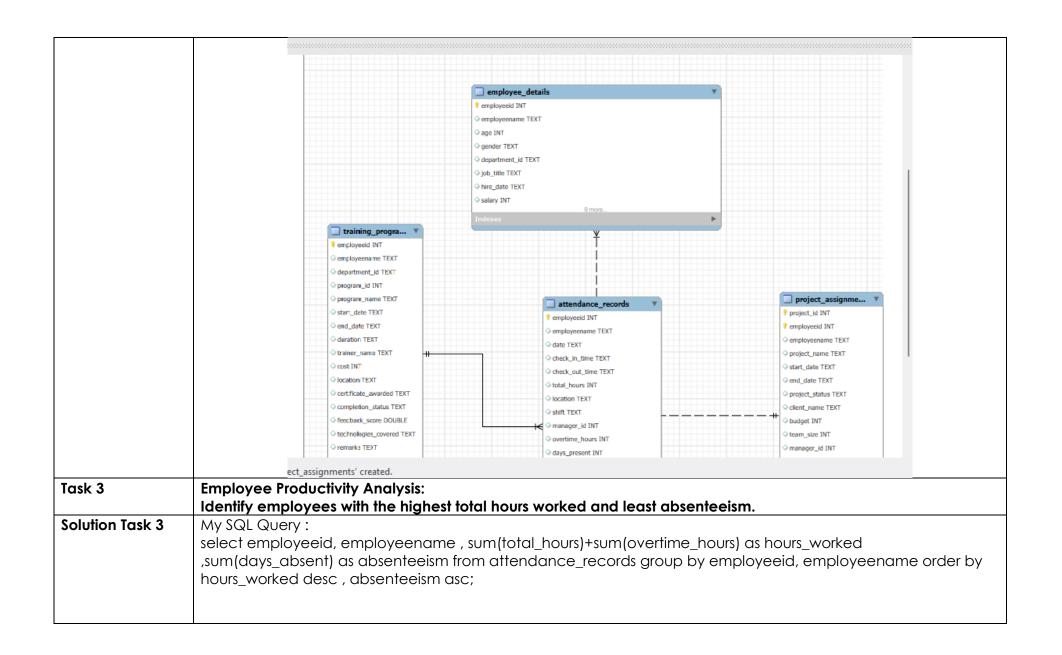
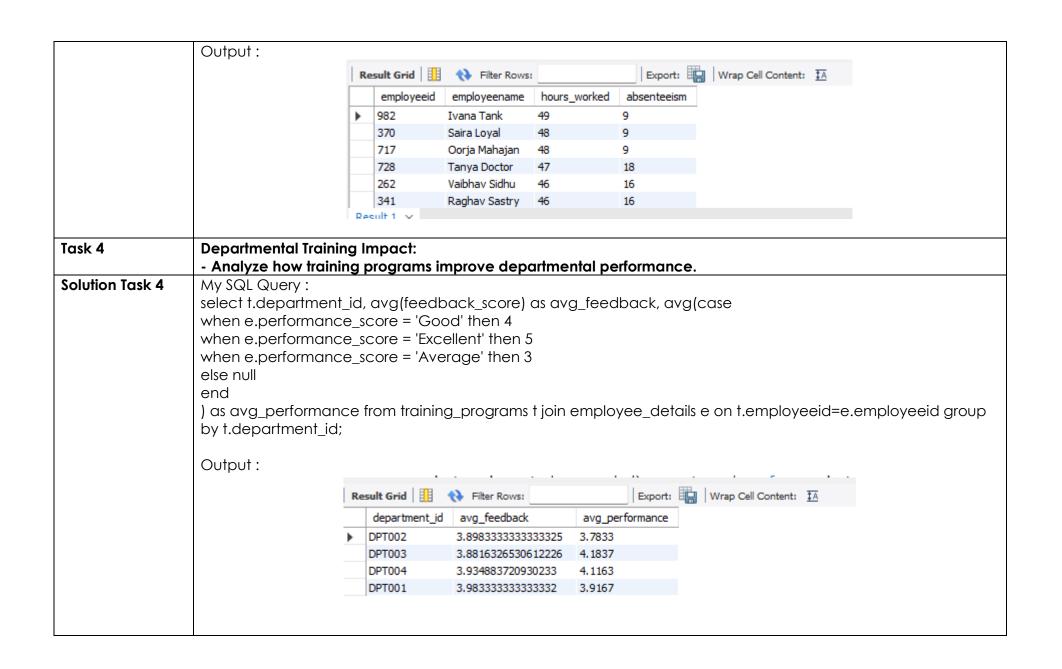
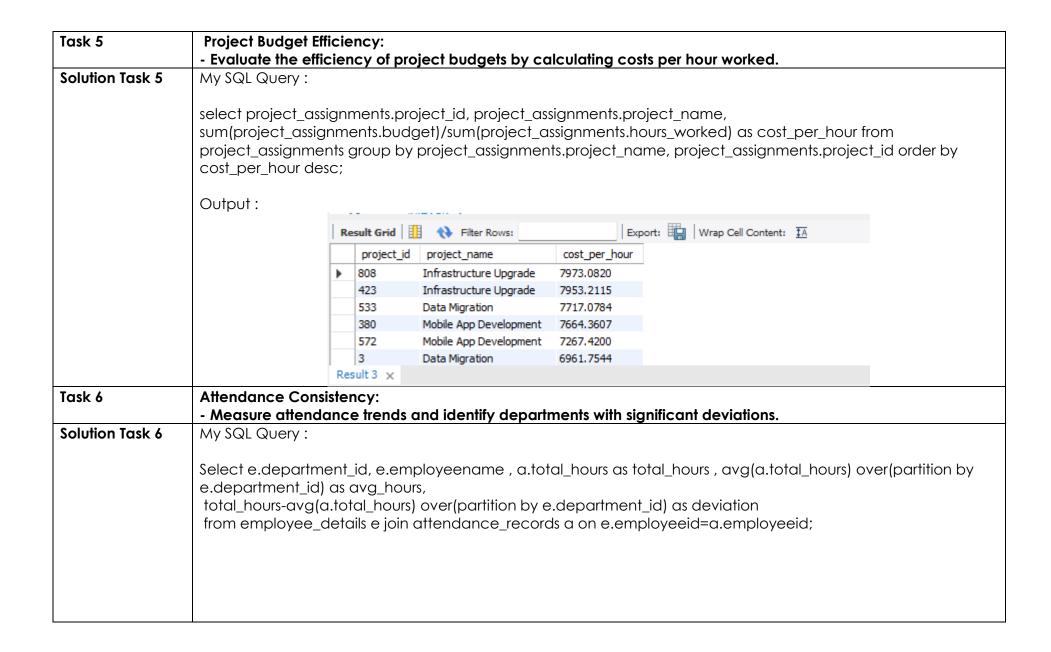
Name	SHANTANU KAUSHIK [ABADS BATCH 16]
Email	shankshk@gmail.com
Phone	9887779477
Project Overview:	TechSphere Solutions is a mid-tier IT services provider specializing in software development, cloud solutions, and infrastructure management. With over 500 employees across multiple locations in India, the company emphasizes employee development and operational efficiency. The management at TechSphere Solutions seeks data-driven insights to optimize employee performance, project execution, and the impact of training programs.
Task 1	Consolidate Datasets: Combine the four datasets (Employee Details, Project Assignments, Attendance Records, and Training Programs) into a centralized MySQL database.
Solution Task 1	Techsphere_assign attendance_records employee_details project_assignments training_programs TechSphere_Case_Study Techsphere_assign_Schema employee_details project_assignments training_programs TechSphere_Case_Study Techsphere_assign_Schema employee_details project_assignments training_programs TechSphere_Case_Study Techsphere_assign_Schema employee_details project_assign_projec

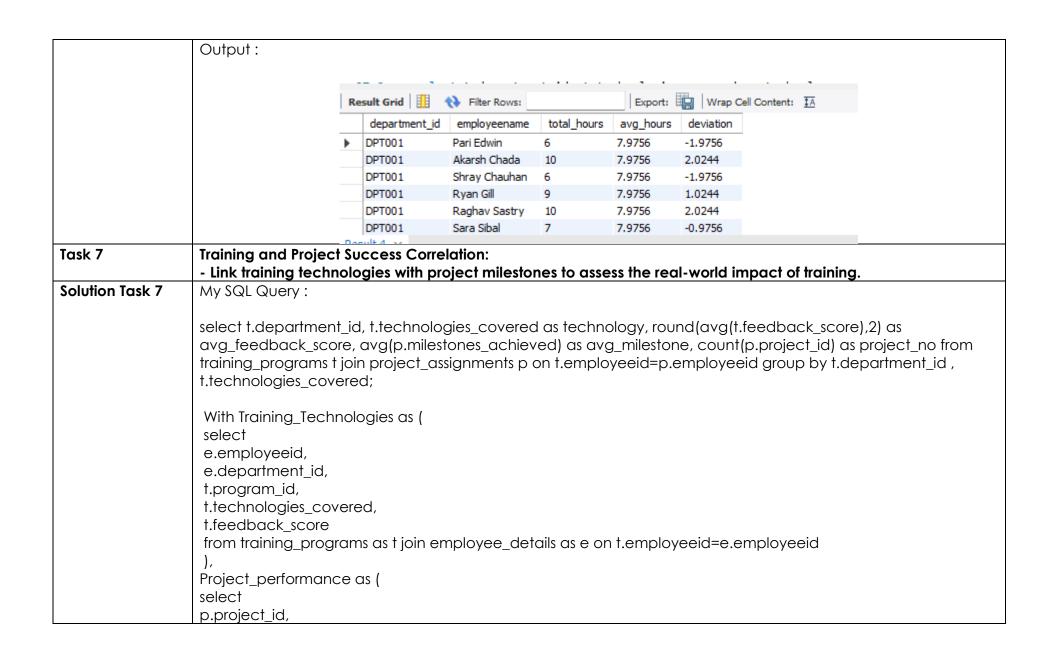


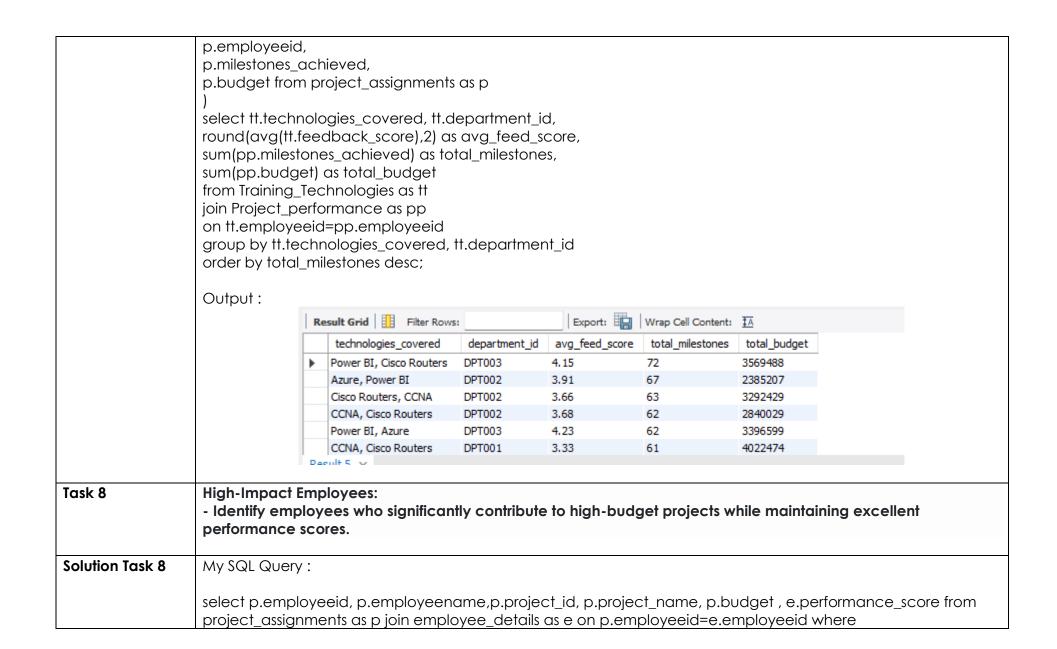












e.performance\_score='Excellent' and p.budget > (select avg(budget) from project\_assignments) order by p.budget desc; Output: Export: Wrap Cell Content: IA Result Grid Filter Rows: employeeid employeename project\_id project\_name budget performance\_score Excellent 111 Hiran Sidhu 701 Data Migration 498258 Infrastructure Upgrade 717 Oorja Mahajan 603 494016 Excellent Nakul Bhatti Infrastructure Upgrade Excellent 519 489235 145 Zain Karan 352 Web Application Revamp 488453 Excellent 888 635 Raunak Sarin 808 Infrastructure Upgrade 486358 Excellent 377 Zara Sem 115 Web Application Revamp 482680 Excellent Result 6 × Task 9 **Cross-Analysis of Training and Project Success** - Identify employees who have undergone training in specific technologies and contributed to high-performing projects using those technologies. Solution Task 9 My SQL Query: WITH TrainedEmployees AS ( **SELECT** e.employeeid, e.employeename, t.technologies covered FROM employee details e JOIN training\_programs t ON e.employeeid = t.employeeid HighPerformingEmployees AS (

```
SELECT
    p.employeeid,
    p.project_id,
    e.performance_score
  FROM
    project_assignments p
  JOIN
    employee_details e ON e.employeeid = p.employeeid
  WHERE
    e.performance_score = 'Excellent'
SELECT DISTINCT
  te.employeeid,
  te.employeename,
  te.technologies_covered,
  hpe.project_id
FROM
  TrainedEmployees te
JOIN
  HighPerformingEmployees hpe ON te.employeeid = hpe.employeeid
ORDER BY
  te.employeename, hpe.project_id;
```

