Academic Task (24251)

Academic Task Number: 1

Date of allotment: November11, 2025

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Course code: INT-331

Course title: Fundamentals of devops

Maximum Marks: 30

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Scenario 1: Hospital Appointment Tracker (Linux + GitHub) **Duration:** 1 Hour **Repository Name:** hospital-tracker-devops-<rollno> **Background** You are assigned to help a hospital automate appointment tracking using DevOps practices on a Linux server.				

Q1	**Part A – Linux System Setup** 1. Create a directory /home/devops/hospital/{appointments,reports,scripts}. 2. Create a file appointments/today.txt containing at least 10 lines: *PatientID, Name, Doctor*. 3. Display the total number of appointments 4. Find all appointments with "Dr. Sharma" and save output to reports/sharma.txt. 5. Write a shell script scripts/count.sh that counts files in /home/devops/hospital/ and prints the count.	CO1	L2	10
Q2	**Part B – GitHub Integration** 1. Initialize a Git repository. 2. Add all hospital files and commit "Initial commit - hospital setup". 3. Create a branch feature-report, edit reports/sharma.txt (add a header "Doctor-wise Report"), commit and push the branch. 4. Create a **Pull Request** on GitHub to merge feature-report into main.	CO1	**L3**	10