

Academic Task (24251)



Academic Task Number: 1

Course code: INT-331

Date of allotment: November11, 2025

Course title: Fundamentals of devops

Date of submission: November11, 2025

Maximum Marks: 30

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
	<p>Scenario 3: College Attendance System</p> <p>Duration: 1 Hour</p> <p>◆ Background</p> <p>The university wants to digitize attendance records through a Linux-based script and GitHub tracking.</p>			<p>Repository: attendance-system-devops-<rollno></p>

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Q1	<ul style="list-style-type: none">◆ Part A – Linux Automation<ol style="list-style-type: none">1. Create directories /home/attendance/{raw,processed,backup}.2. Create a CSV file raw/data.csv containing 13 rows: RollNo, Name, Present/Absent.3. Extract all “Present” entries into processed/present.txt using:4. Backup the processed file to /home/attendance/backup/ with date suffix:5. Display only student names from CSV	CO1	L2	15
Q2	Part B – GitHub Version Control <ol style="list-style-type: none">1. Initialize git repo in /home/attendance.2. Commit all files with "Initial attendance data upload".3. Create a branch data-cleaning, remove extra blank lines from present.txt, and commit.4. Merge the branch to main via GitHub PR.	CO2	L3	15