## 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 |
|---|---|---|---|---|
| | **Scenario 4: Banking Transaction Logger** **Duration:** 1 Hour      **Repository:** banking-transactions-devops-<rollno> **Background** You are maintaining transaction logs for a small cooperative bank, applying Linux automation and Git versioning. | | | |

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| Q1 | **Part A – Linux Task Execution** <br> 1. Create /home/bank/{transactions,reports,archive}. <br><br> 2. Create a file transactions/day1.log with at least 14 transactions (format: TxnID,Amount,Type). <br><br> 3. Extract all "Credit" transactions using: <br><br> 4. Count total lines and words in reports/credit.txt. <br><br> 5. Archive reports folder to reports_backup.tar.gz reports. | CO1 | L2 | 15 |
|---|---|---|---|---|
| Q2 | **Part B – GitHub Implementation** <br> 1. Initialize a new Git repository. <br><br> 2. Add a .gitignore file to ignore .tar.gz archives. <br><br> 3. Commit all files with "Initial commit – banking transaction logs". <br><br> 4. Create branch report-update, add a new transaction, and push branch to GitHub. <br><br> 5. Open a Pull Request to merge into main. | CO2 | **L3** | 15 |