Assessment 👍

1. **Write shell script which will download apache , wget and also create new files and folders**
2. **Process Monitoring Task**"Try writing a shell script that helps the system admin to check all currently running processes and highlight any that are using large amounts of memory."
3. **System Log Utility**"Create a script that lists all processes, writes them to a log file, and keeps a separate file only for processes using significant RAM (e.g., > 100 MB)."

### **🔹 JIRA Hands-On (Automation + Projects)**

1. **Automate Repetitive JIRA Tasks**"Explore how to use JIRA Automation rules. Set up a simple rule that performs an action (like assignment or email) when a bug is created or moved to 'Ready for QA'."
2. **Story Assignment and Status Report**"Create a mini project in JIRA. Add a few user stories (at least 3) and assign them to different teammates. Try exporting or noting down the progress in a simple format."

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1. Write the simple yaml script which will have name of students with there details. How will you take care of indentation
2. Write a YAML file that represents the configuration for a sample database server, including fields like host, port, username, and password. (Hint: Try mimicking MySQL structure).

### **Problem Statement**

### You are working on an application that evaluates student performance based on their marks. Write a Python program that:

1. Accepts the following inputs from the user:
   * Student Name
   * Marks in 5 subjects (each out of 100)
2. Calculates the following:
   * Total Marks
   * Percentage
   * Grade using the below logic:

If percentage >= 90: Grade = 'A+'

If percentage >= 80 and < 90: Grade = 'A'

If percentage >= 70 and < 80: Grade = 'B+'

If percentage >= 60 and < 70: Grade = 'B'

If percentage >= 50 and < 60: Grade = 'C'

If percentage >= 35 and < 50: Grade = 'D'

Else: Grade = 'F (Fail)'

Finally, print the following report:  
yaml  
CopyEdit  
Student Name: <name>

Total Marks: <total>

Percentage: <percentage>%

Grade: <grade>

Result: Pass / Fail

* + Consider result **Pass** if percentage >= 35, otherwise **Fail**

### **✅ Example Input:**

yaml

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Enter student name: Riya Sharma

Enter marks for Subject 1: 85

Enter marks for Subject 2: 76

Enter marks for Subject 3: 91

Enter marks for Subject 4: 68

Enter marks for Subject 5: 80

### **✅ Example Output:**

Student Name: Riya Sharma

Total Marks: 400

Percentage: 80.0%

Grade: A

Result: Pass