**Assignment 1. Write 2 scripts for daily stand-up meeting**

Scenario 1: Mobile App Development Team

Setting: The team gathers virtually. The project board is visible on their screens.

Olivia (Scrum Master): Good morning, team! Let’s kick off our daily stand-up. Alex, would you like to start?

Alex: Thanks, Olivia! Yesterday, I completed the user profile screen. It looks sleek, but I want Dana’s opinion on the color scheme. Today, I’ll pair up with her for a quick design review.

Dana: Got it, Alex! Yesterday, I worked on implementing push notifications. I got the basic functionality working, but I need Evan’s input on handling edge cases. Today, I’ll dive into that.

Evan: Great, Dana! Yesterday, I focused on optimizing the app’s start-up time. I managed to reduce it by 20%. Today, I’ll review Alex’s code for the new user profile screen.

Olivia (Scrum Master): Wonderful updates, team! Keep up the collaboration.

Scenario 2: Software Development Team

Setting: The team gathers in a cozy meeting room, sipping their morning coffee. The whiteboard displays the project board with sticky notes representing tasks.

David (Scrum Master): Good morning, everyone! Let’s get started. Alice, Bob, Carol, and I are here. Alice, would you like to kick off?

Alice: Thanks, David! Yesterday, I completed the search feature. It’s working well, but I need Carol’s input on the UI design. Today, I’ll pair up with Carol to finalize the UI.

Bob: Awesome! And just a heads-up, I’ll need some help with the authentication endpoints. Alice, can we sync up later?

Carol: Definitely, Bob! Let’s schedule a quick pairing session after the stand-up.

David (Scrum Master): Excellent updates, team! Let’s keep the energy positive!

**Assignment 2: Explain the responsibility of scrum roles, scrum master, product owner, development team.**

1. **Product Owner:**

The Product Owner (PO) is responsible for maximizing the value delivered by the team.

**Key responsibilities include:**

* Defining and prioritizing the product backlog (the list of work items).
* Ensuring that the team works on the most valuable items first.
* Collaborating with stakeholders to understand requirements and expectations.
* Making decisions about what features or changes should be included in each sprint.
* The PO acts as the bridge between the development team and stakeholders, ensuring alignment with business goals.

1. **Scrum Master:**

The Scrum Master (SM) serves as a facilitator and coach for the Scrum team.

**Key responsibilities include:**

* Guiding the team in adopting Scrum practices and principles.
* Removing obstacles or impediments that hinder the team’s progress.
* Facilitating Scrum events (such as sprint planning, daily stand-ups, and retrospectives).
* Ensuring that the team follows Scrum rules and values.
* The SM promotes self-organization, continuous improvement, and collaboration within the team.

1. **Development Team:**

The Development Team consists of individuals who do the actual work to create the product increment.

Contrary to the name, it’s not limited to just developers; it can include designers, testers, and other specialists.

**Key responsibilities include:**

* Collaborating to deliver a potentially shippable product increment in each sprint.
* Self-organizing to determine how to achieve sprint goals.
* Ensuring high-quality work and meeting the Definition of Done.
* Adapting to changes and continuously improving their processes.
* The Development Team embodies cross-functional skills and works closely together.

**Assignment 3. Basic tasks**

1. write a command to create a file named demo.txt inside Movies directory

Ans: touch Movies/demo.txt

1. copy hello.txt files from Desktop to Downloads directory

Ans: cp /Desktop/hello.txt /Downloads/

1. Write a command to display all the files from Movies Directory

Ans: ls Movies

1. display first 15 lines of demo.txt file

Ans: head -15 demo.txt

1. Using cat command, create a new file and write the data to the file.

Ans: cat readme.txt

This is a readme file.

This is a new line.

1. read the file content of demo.txt

Ans: cat demo.txt

**Assignment 4. Explain absolute and relative path has context menu**

1. Absolute Path:

* An absolute path specifies the exact location of a file or directory from the root directory.
* It always starts with a forward slash (/).

1. Relative Path:

* A relative path specifies the location of a file or directory relative to the current working directory.
* It doesn’t start with a slash; instead, it depends on the context of your current location.

**Assignment 5. Write some 30 Linux commands.**

ls: List files and directories.

ls -l: Detailed listing.

ls -a: Show hidden files.

cd: Change your working directory.

pwd: Display the current directory path.

mkdir: Create a new directory.

rm: Remove files.

rm -r: Remove directories recursively.

cp: Copy files.

cp -r: Copy directories recursively.

mv: Move or rename files/directories.

touch: Create an empty file.

head: Show the beginning of a file.

tail: Show the end of a file.

ln: Create hard or symbolic links.

find: Search for files based on criteria.

chmod: Modify file permissions.

chown: Change file owner.

uname: Print system details.

ps: List active processes.

kill: Stop a process.

grep: Find text in files.

df: Display disk usage.

lspci: List connected PCI devices.

ifconfig: Show network details.

ping: Check network connectivity.

wget: Retrieve files via URLs.

free: Show memory stats.

lsusb: List connected USB devices.