

# Assignment – 2

## 1. What is Test Environment?

A test environment is a setup of software and hardware where testing teams execute test cases. It includes all necessary configurations, software, network, database, servers, and other components that mimic the production environment to identify issues before deployment.

## 2. What is Test Bed?

A test bed is an environment that provides the hardware, software, and network configuration for testing applications. It's specifically tailored to test a software application and verify its functionality, performance, and reliability.

## 3. What is Localization Testing?

Localization testing is a type of software testing process to ensure that an application behaves correctly in a particular culture or locale. It involves testing the application's interface, language, currency, date, and other locale-specific elements to ensure they align with the target region.

## 4. What is Walkthrough?

A walkthrough is a review process in which the author of a document or code leads team members through a detailed presentation of the content. The purpose is to find errors, discuss improvements, and ensure understanding without formal testing.

## 5. Define Test plan?

A test plan is a formal document outlining the strategy, objectives, resources, schedule, and scope of testing activities for a software project. It serves as a guide for managing and monitoring the test process and includes details on test cases, test environments, and responsibilities.

## 6. Difference between Project and Product?

If a software application is developed for specific customer based on the requirement then it is called Project.

If a software application is developed for multiple customer based on market requirement then it is called Product.

## 7. Various load Testing tools?

Some popular load testing tools include:

- Apache JMeter
- LoadRunner
- NeoLoad
- Gatling
- Locust

## 8. Different tools for Performance Testing?

Common performance testing tools include:

- Apache JMeter
- LoadRunner
- New Relic
- Dynatrace
- AppDynamics

## 9. Name different Browsers and their latest version.

- Google Chrome – Version 118.0
- Mozilla Firefox – Version 118.0
- Safari – Version 17
- Microsoft Edge – Version 118.0
- Opera – Version 104.0

## 10. Name different operating systems, their latest versions and most commonly used

- Windows – Windows 11 (most commonly used OS for personal computers)
- macOS – macOS Sonoma (14.0)
- Linux – Ubuntu 23.10, Fedora 39
- Android – Android 14
- iOS – iOS 17
- The most commonly used operating system globally is Android for mobile devices and Windows for desktops.

## 11. operating system?

An **operating system (OS)** is system software that manages computer hardware and software resources, and provides common services for computer programs. It serves as an intermediary between users and the

computer hardware, enabling applications to run and users to interact with the system.

## 12. Various automation tools?

13. Some popular automation tools include:

- Selenium
- Appium
- QTP (Quick Test Professional)
- TestComplete
- Katalon Studio
- Cypress