**Day 2 Assingment**

**1. Starting Services**

* **What are services?**  
  Services are background processes that Windows runs automatically to handle system functions (like networking, printing, updates).
* **How services start?**  
  During Windows startup, the **Service Control Manager (SCM)** starts all the essential services configured to run automatically.

**2. Running Scripts**

* **What are scripts?**  
  Scripts are sets of commands in batch files , PowerShell , or other scripting languages used to automate tasks.
* **When are scripts run?**  
  Scripts can be configured to run:
  + At startup or shutdown
  + When a user logs on or off
  + Manually, or triggered by scheduled tasks

**3. Executing Programs**

* **Programs** are executable files (.exe) that run user applications or system utilities..

**4. Running Scheduled Tasks**

* **What is Task Scheduler?**  
  A Windows utility that runs programs or scripts at predefined times or events.
* **Uses:**
  + Automatic system maintenance (disk cleanup, updates)
  + Running backups
  + Starting programs at specific times
  + Running scripts triggered by system events

**Context :-**

**1.**user context –

* Definition: Runs under the currently logged-in user's credentials and within their

user profile.

● Access: Can access files and settings specific to the user profile, but typically

doesn't have full system-wide access.

● Best for: User-specific applications, customizations, and tasks that don't require

system-wide changes. [2, 3]

**2.**System context

* Definition: Runs with elevated privileges, often as the SYSTEM user, with full

system-wide access.

● Access: Has access to all files and system resources, including those outside the

user's profile.

● Best for: System-wide installations, critical system policies, and scenarios where

full control is needed. [2]

**3**.Admin Context –

* Definition: Although not a distinct context like User or System, many MSI

installations that require system-wide changes (like installing a program that runs

as a service) might require Admin privileges.

● Access: These installations require the user to have Admin privileges to run the

MSI and perform the necessary system changes.

● Best for: Installations that modify system files, services, or other resources that

require elevated permissions. [3, 3, 4, 4, 5, 6, 7, 8]

**Windows 11 benefits**

● **Improved User Interface**

● **Enhanced Security**

● **Performance Improvements**

● **Improved Multi-tasking**

● **Integrated AI**

● **Enhanced Gaming Experience**

● **Optimized Update Process**

**Windows 10 Benefits:**

● **Familiar Interface**

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● **Wide Compatibility**

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● **Stability**

● **Cost-Effective**

● **App Compatibility**

● **Performance**

● **Security**