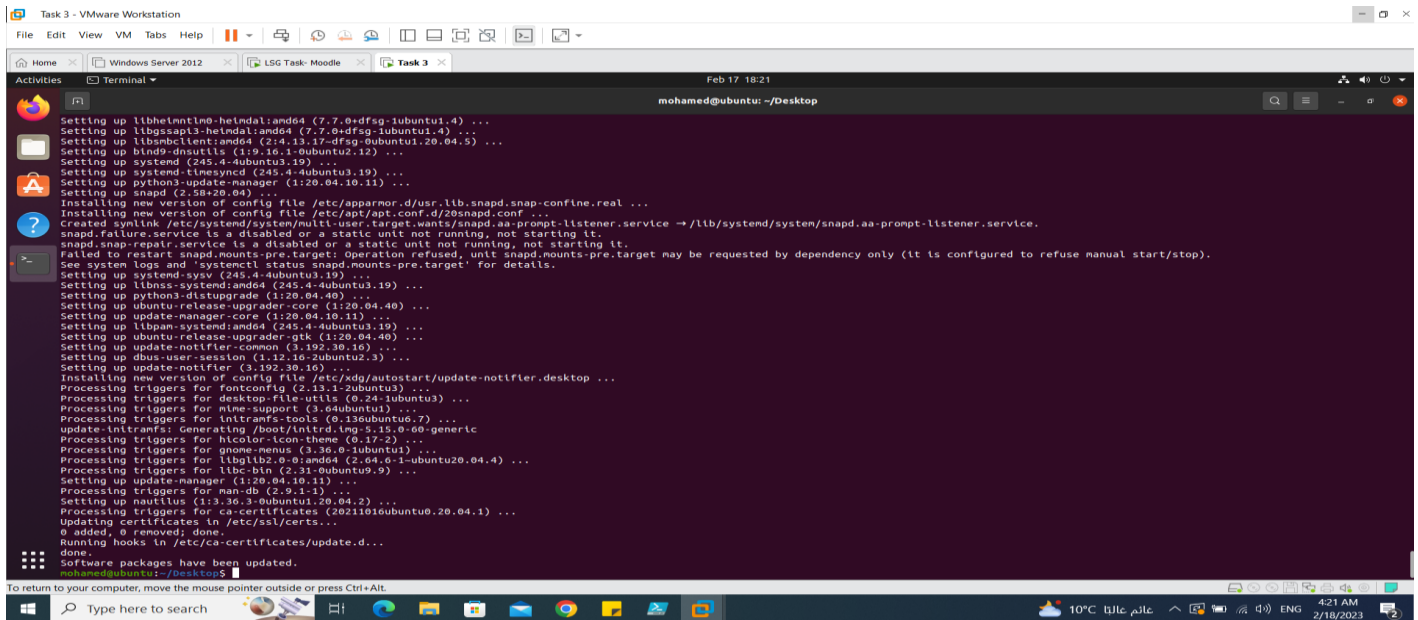
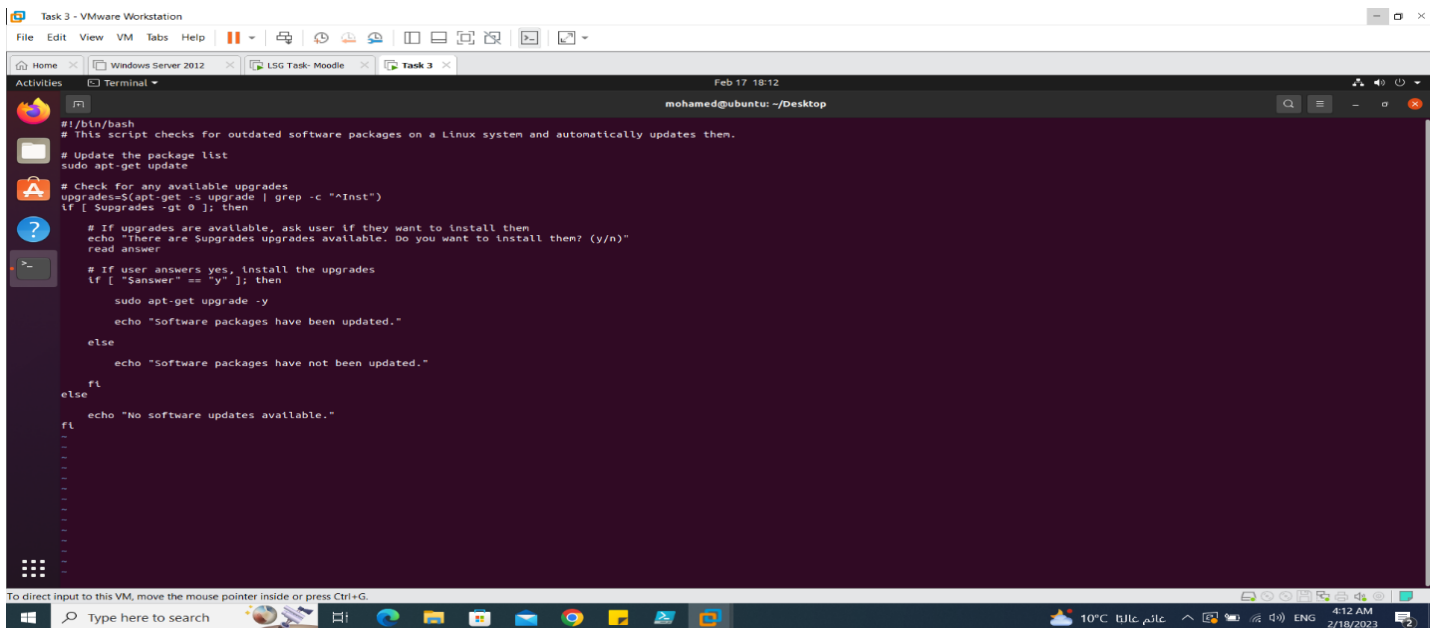


❖ Write a bash script to check the outdated software packages and update:



```
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mohamed@ubuntu: ~/Desktop

Setting up libheif:amd64 (1.17.0-1ubuntu1) ...
Setting up libgssapi:amd64 (1.8.3-3ubuntu1) ...
Setting up libnss-systemd:amd64 (245.4-4ubuntu1) ...
Setting up systemd-timesyncd (245.4-4ubuntu1) ...
Setting up python3-update-manager (1:20.04.10.1) ...
Setting up snapd (2.58+20.04) ...
Installing new version of config file /etc/apparmor.d/usr.lib.snapd.snap-confine.real ...
Installing new version of config file /etc/apt/apt.conf.d/20snapd.conf ...
Created symlink /etc/systemd/system/multi-user.target.wants/snapd.aa-prompt-listener.service → /lib/systemd/system/snapd.aa-prompt-listener.service.
snapd.failure.service is a disabled or a static unit not running, not starting it.
snapd.snap-repair.service is a disabled or a static unit not running, not starting it.
Failed to restart snapd.mounts-pre.target: Operation refused, unit snapd.mounts-pre.target may be requested by dependency only (it is configured to refuse manual start/stop).
See system logs and 'systemctl status snapd.mounts-pre.target' for details.
Setting up systemd-sysv (245.4-4ubuntu1) ...
Setting up libnss-systemd:amd64 (245.4-4ubuntu1) ...
Setting up ubuntu-release-upgrader-core (1:20.04.40) ...
Setting up update-manager-core (1:20.04.10.1) ...
Setting up libnss-systemd:amd64 (245.4-4ubuntu1) ...
Setting up ubuntu-release-upgrader-gtk (1:20.04.40) ...
Setting up update-notifier-common (1:19.2.30.10) ...
Setting up dbus-user-session (1:12.10-2ubuntu2.3) ...
Setting up update-notifier (3.192.30.10) ...
Installing new version of config file /etc/xdg/autostart/update-notifier.desktop ...
Processing triggers for fontconfig (2:13.1-2ubuntu3) ...
Processing triggers for desktop-file-utils (0.24-1ubuntu3) ...
Processing triggers for mime-support (3.6ubuntu1) ...
Processing triggers for intransf-tools (0.13ubuntu6.7) ...
update-intransf: Generating /boot/initrd.img-5.15.0-60-generic
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for libgl1:amd64 (2.0.0-1ubuntu20.04.4) ...
Processing triggers for libc-bin (2.31-0ubuntu9.9) ...
Setting up update-manager (1:20.04.10.1) ...
Processing triggers for man-db (2.9.1-1) ...
Setting up nautius (1:1.36.1-ubuntu20.04.2) ...
Processing triggers for ca-certificates (20211016ubuntu0.20.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed, done.
Running hooks in /etc/ca-certificates/update.d...
done.
Software packages have been updated.
mohamed@ubuntu:~/Desktop$
```



```
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mohamed@ubuntu: ~/Desktop

#!/bin/bash
# This script checks for outdated software packages on a Linux system and automatically updates them.

# Update the package list
sudo apt-get update

# Check for any available upgrades
upgrades=$(apt-get -s upgrade | grep -c '^Inst$')
if [ $upgrades -gt 0 ]; then

    # If upgrades are available, ask user if they want to install them
    echo "There are $upgrades upgrades available. Do you want to install them? (y/n)"
    read answer

    # If user answers yes, install the upgrades
    if [ "$answer" == "y" ]; then
        sudo apt-get upgrade -y
        echo "Software packages have been updated."
    else
        echo "Software packages have not been updated."
    fi
else
    echo "No software updates available."
fi
```



```
#!/bin/bash
# This script checks for outdated software packages on a Linux system and automatically updates
them.
# Update the package list
sudo apt-get update
# Check for any available upgrades
upgrades=$(apt-get -s upgrade | grep -c "^Inst")
if [ $upgrades -gt 0 ]; then
    # If upgrades are available, ask user if they want to install them
    echo "There are $upgrades upgrades available. Do you want to install them? (y/n)"
    read answer
    # If user answers yes, install the upgrades
    if [ "$answer" == "y" ]; then
        sudo apt-get upgrade -y
        echo "Software packages have been updated."
    else
        echo "Software packages have not been updated."
    fi
else
    echo "No software updates available."
fi
```