Shell Scripting

**Question 1:**

#!/bin/bash

#array with sample filenames

arrayFile=("file1.txt" "file2.txt" "file3.txt" "file4.txt" "image1.jpg" "image2.jpg" "image3.jpg")

#looping through each item in the array

for item in "${arrayFile[@]}"

do

# Check if the file has a .txt extension

if [[ "$item" == \*.txt ]]; then

echo "Moving $item to Text\_Files folder"

#checking if the file has a .jpg extension

elif [[ "$item" == \*.jpg ]]; then

echo "Moving $item to Images folder"

#if the file doesn't match .txt or .jpg

else

echo "File $item is of an unsupported format"

fi

done

**Question 2**

#!/bin/bash

#defining the current disk usage percentage

disk\_usage=98

#outputing the current disk usage

echo "Your disk space is at: $disk\_usage%"

#check if disk usage exceeds the threshold (80%)

if [ "$disk\_usage" -gt 80 ]; then

echo "Warning: Disk usage is at $disk\_usage%, which exceeds the threshold!"

else

echo "Disk usage is at $disk\_usage%, which is below the threshold"

fi