

Operating System Lab # 11

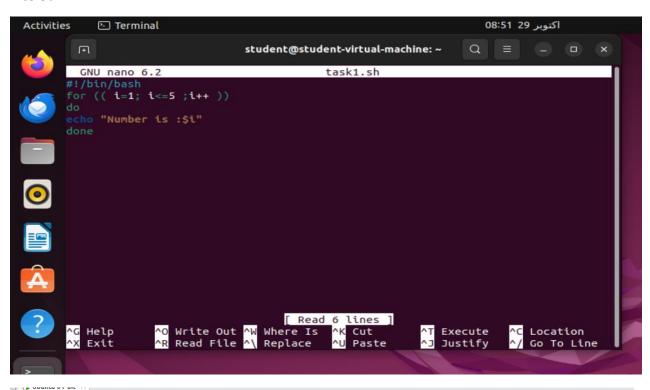
Name: Maryum Malik

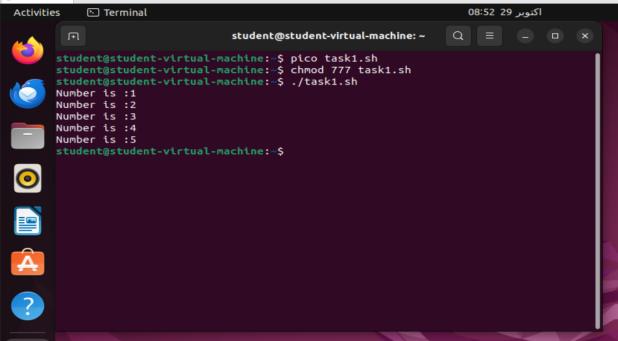
Sap Id: 45369

Batch: BSCS 5thsemester

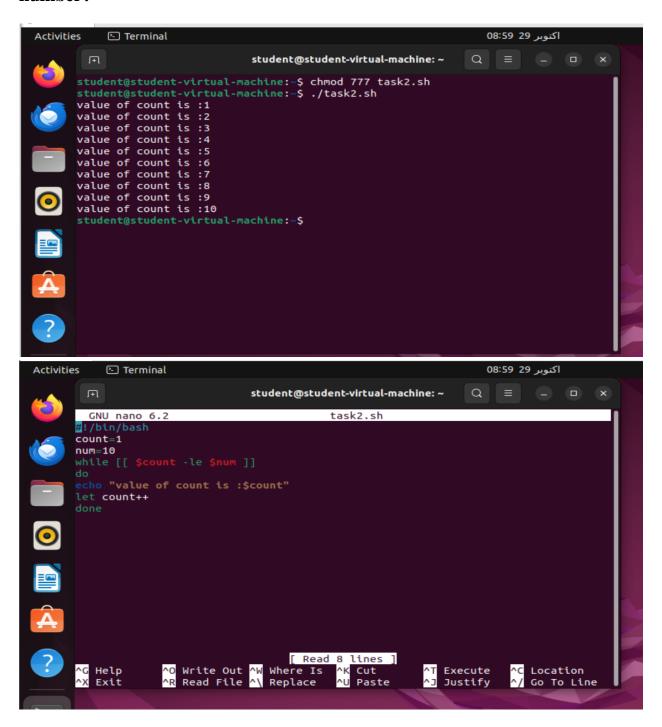
Submitted to: Mam Kausar

Q1. How do you create a basic for loop in a shell script to iterate over a list of numbers from 1 to 5?

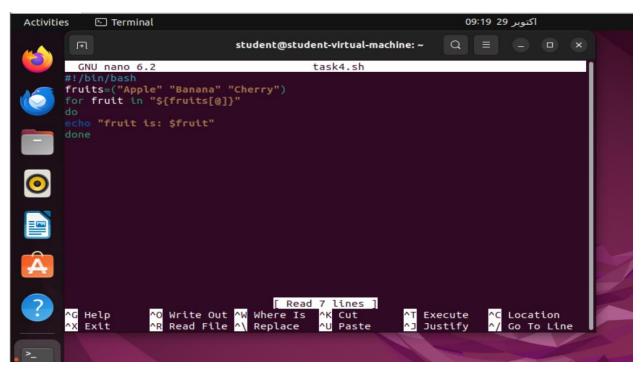


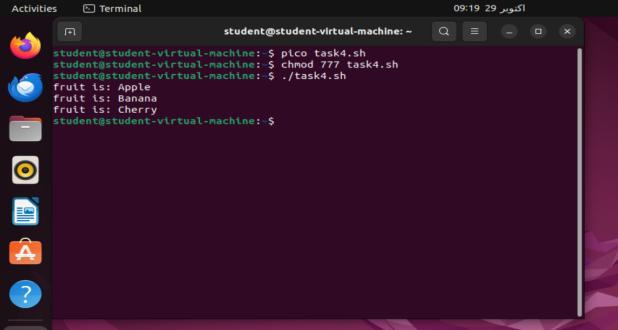


Q2. What is the syntax for a while loop that counts from 1 to 10 and prints each number?

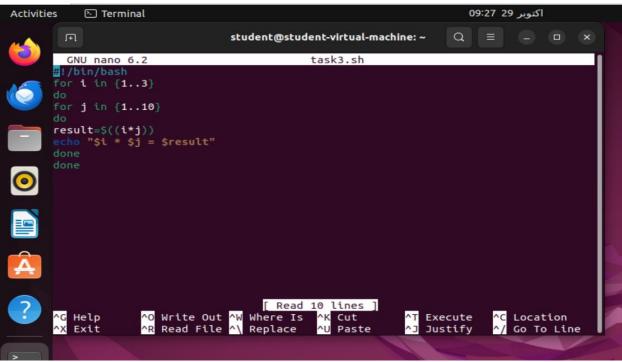


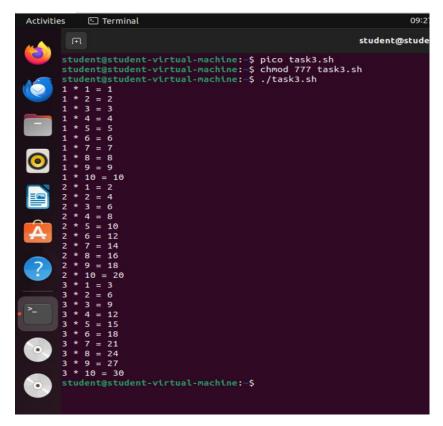
Q4: Write a for-in loop that iterates over the items in an array named fruits containing apple, banana, and cherry.





Q3. How would you write a nested loop in shell scripting to print a multiplication table from 1 to 3?





Q5: Write a while loop that reads user input until the user types "exit".

```
student@student-virtual-machine:~$ pico task5.sh
student@student-virtual-machine:~$ chmod 777 task5.sh
student@student-virtual-machine:~$ ./task5.sh
enter num:4
enter num:4
enter num:5
enter num:6
enter num:^C
student@student-virtual-machine:~$ ./task5.sh
enter num:3
enter num:2
enter num:8
enter num:^Z
[1]+ Stopped
                             ./task5.sh
student@student-virtual-machine:~$
```

```
#!/bin/bash
while true
do
read -p "enter num:" num
sleep 2s
done
```