Lab Tasks

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Subject: Operating System

Date:10/29/2024

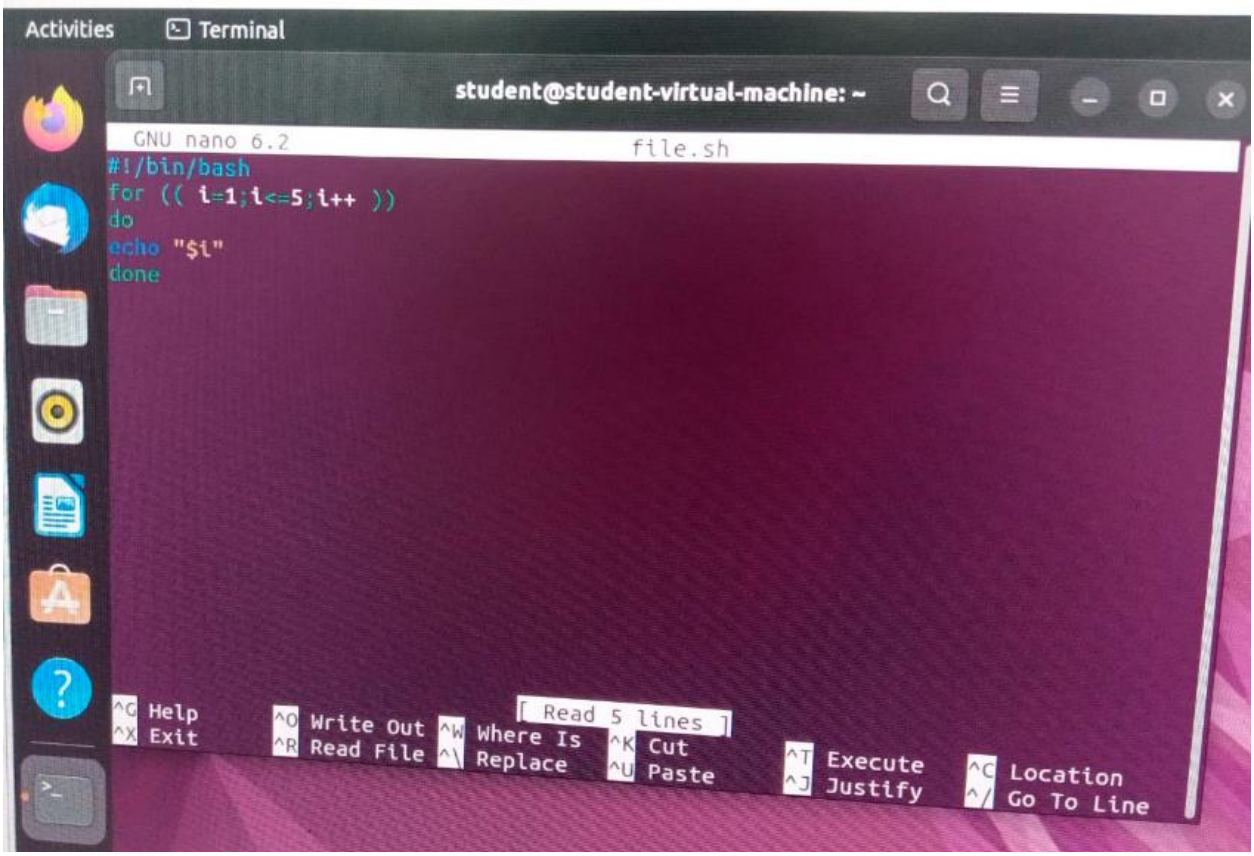
BSCS SEMESTER – 5

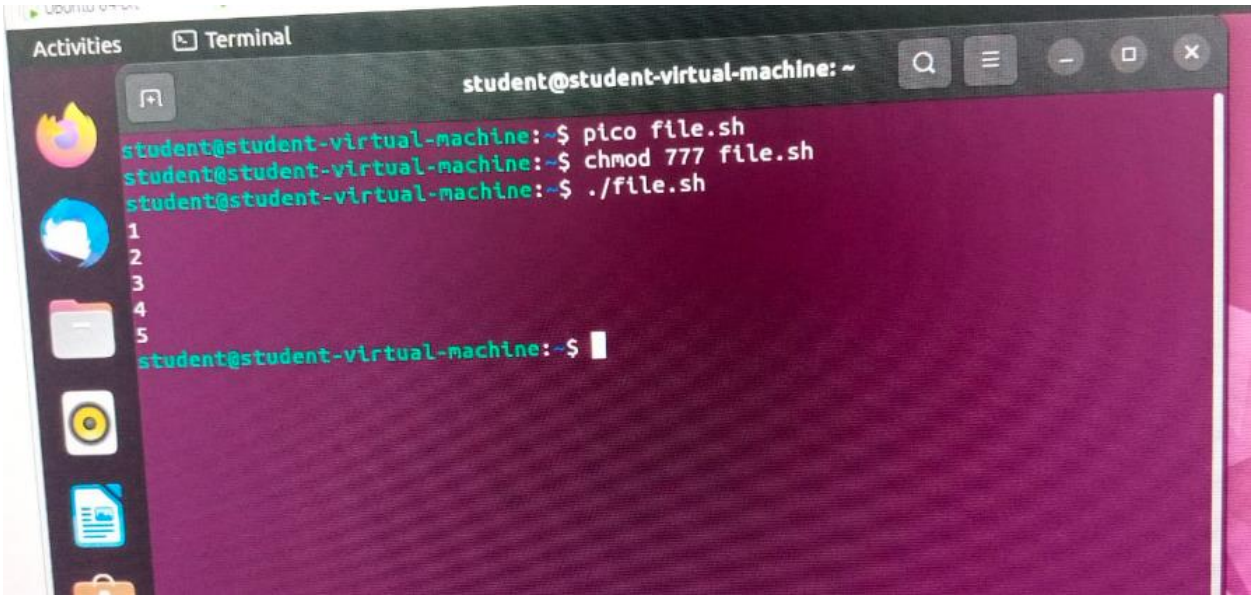
RIPHAH INTERNATIONAL UNIVERSITY

ISLAMABAD, PAKISTAN

Task 01

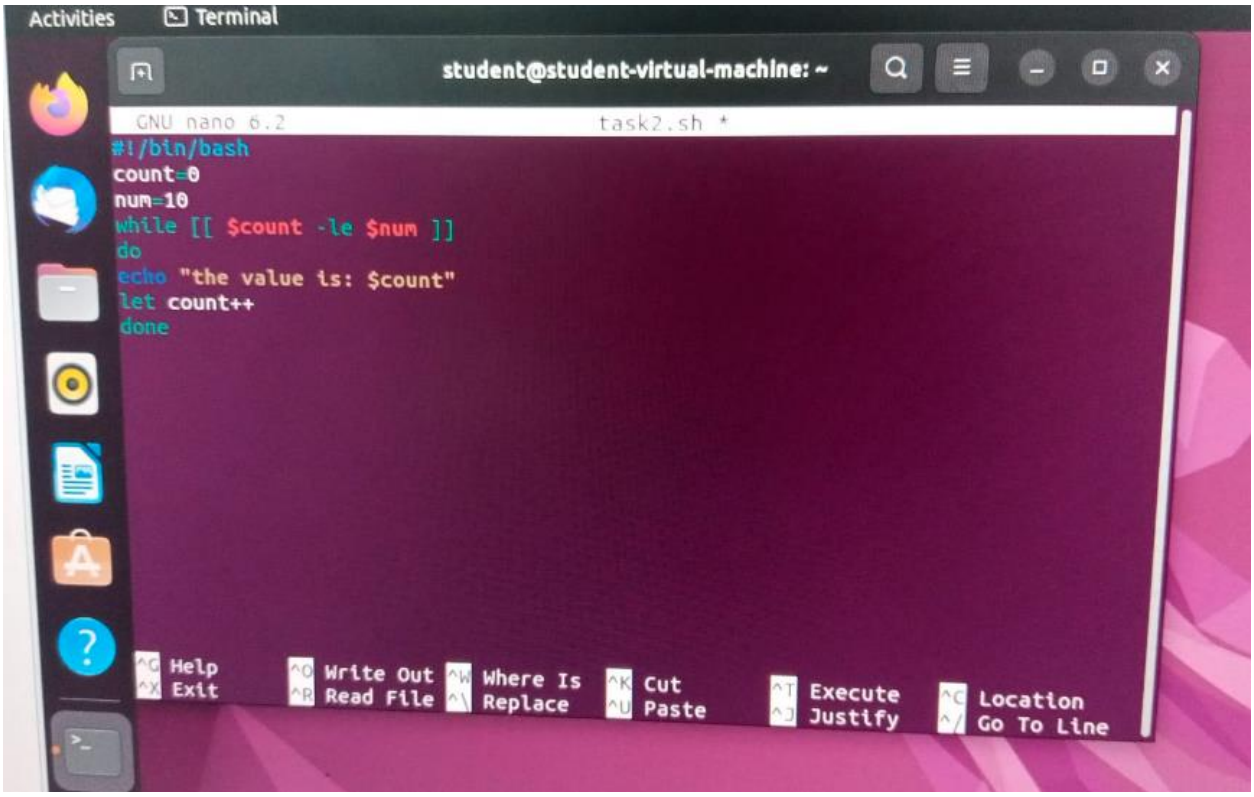
Q1. How do you create a basic `for` loop in a shell script to iterate over a list of numbers from 1 to 5?

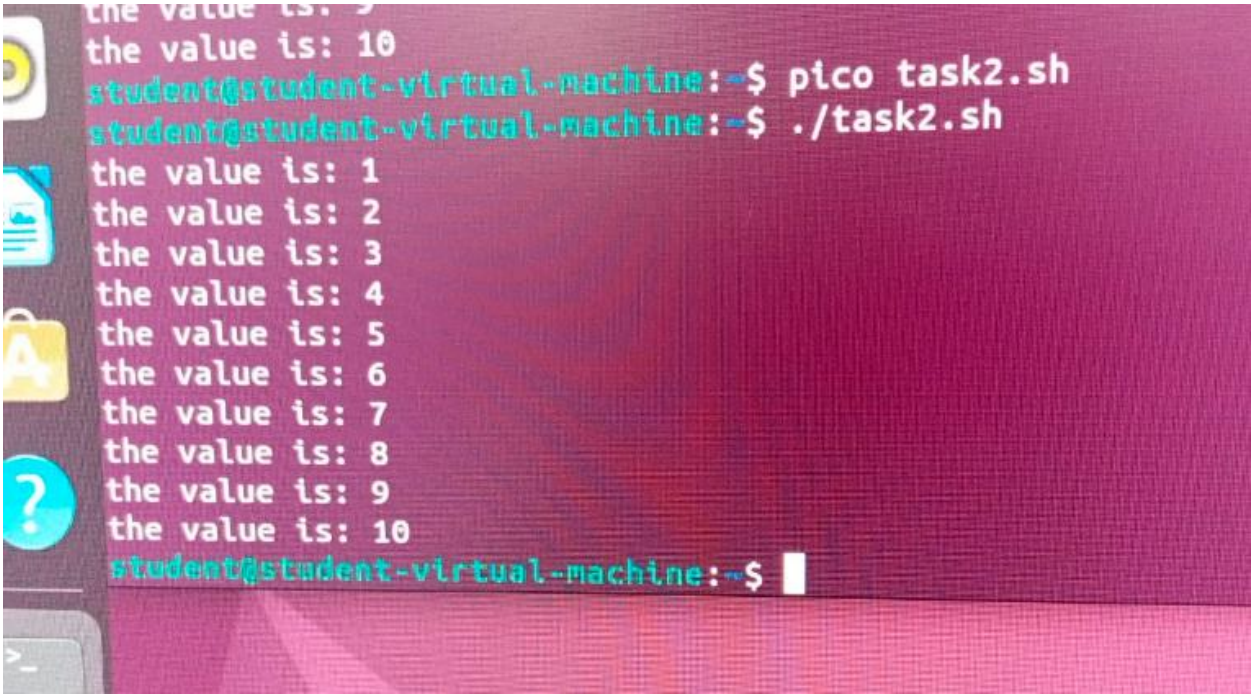




Task 02

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

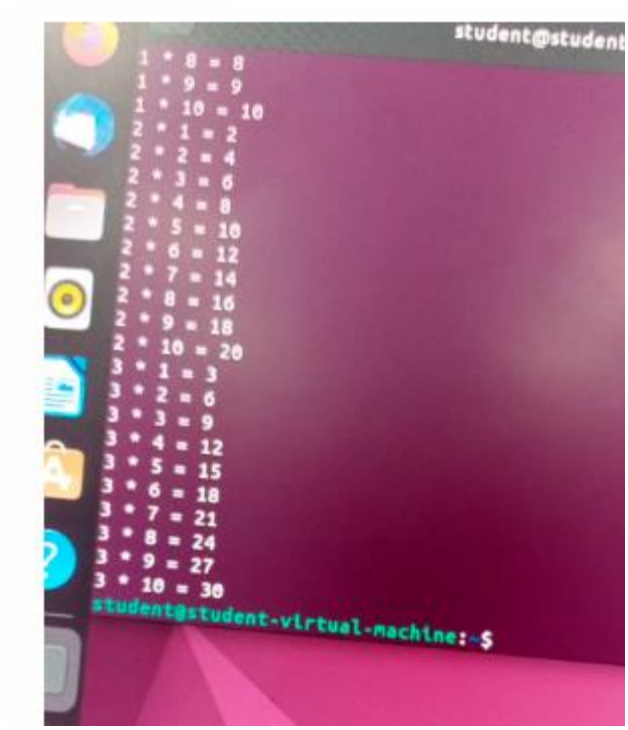




Task 03

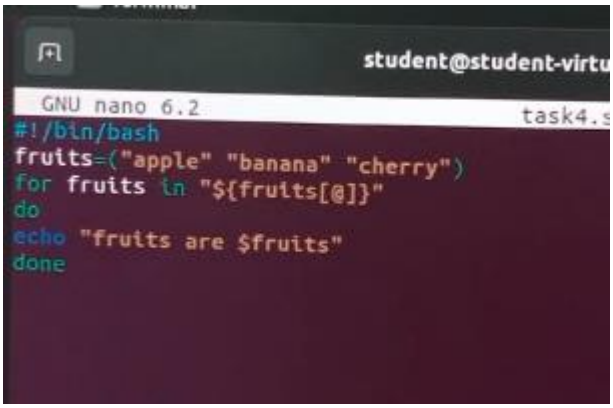
. How would you write a nested loop in shell scripting to print a multiplication table from 1 to 3?

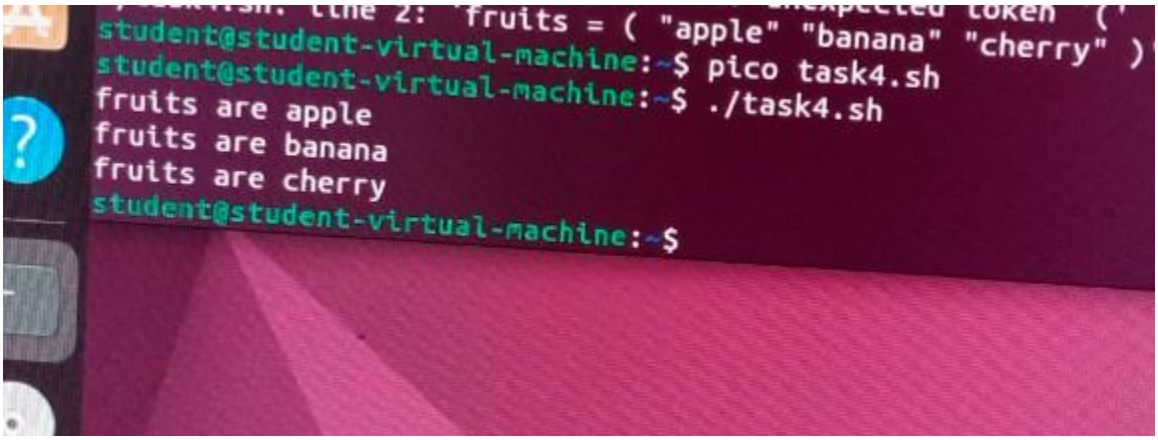

Activities
Terminal
student@student-virtu
student@student-virtual-machine:~$ task3.sh
task3.sh: command not found
student@student-virtual-machine:~$ pico task3
student@student-virtual-machine:~$ chmod 777
student@student-virtual-machine:~$ ./task3.sh
1 * 1 = 1
1 * 2 = 2
1 * 3 = 3
1 * 4 = 4
1 * 5 = 5
1 * 6 = 6
1 * 7 = 7
1 * 8 = 8
1 * 9 = 9
1 * 10 = 10
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
2 * 6 = 12
2 * 7 = 14
2 * 8 = 16
2 * 9 = 18



Task 04

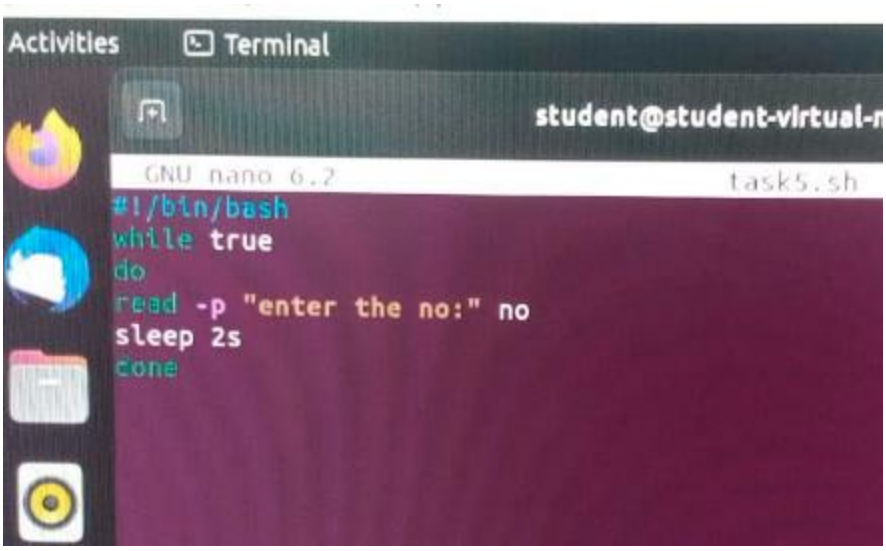
Write a `for-in` loop that iterates over the items in an array named `fruits` containing `apple`, `banana`, and `cherry`.

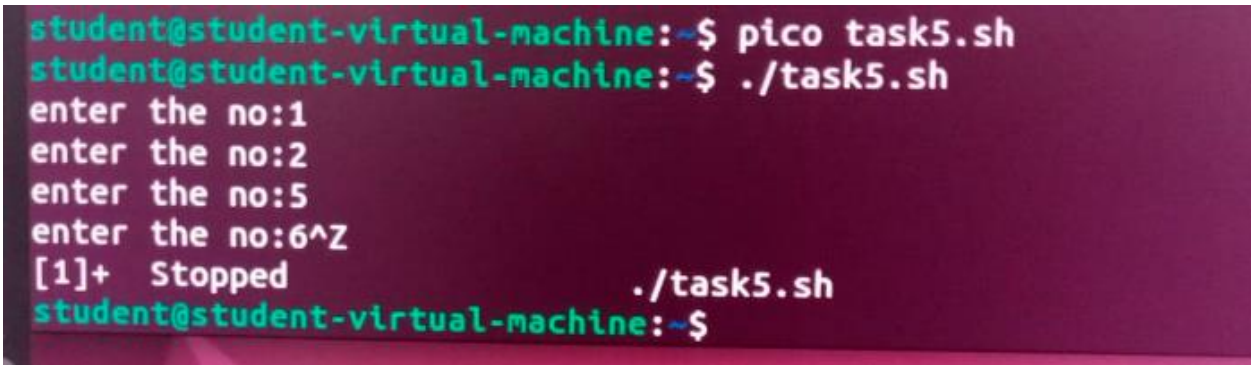




Task 05

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




student@student-virtual-machine:~$ pico task5.sh
student@student-virtual-machine:~$ ./task5.sh
enter the no:1
enter the no:2
enter the no:5
enter the no:6^Z
[1]+ Stopped ./task5.sh
student@student-virtual-machine:~$