

Operating System

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Lab: No.10

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Submission Date: 10/20/2025

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Task 1:

```
student@student-virtual-machine:~$ pico task1.txt
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                      student@student-virtual-machine: ~
                                                 Q =
 GNU nano 6.2
                               task1.txt
if [ -e "data.txt" ]; then
   echo "data.txt exists."
else
   echo "data.txt does not exist."
fi
student@student-virtual-machine:~$ ./task1.txt
bash: ./task1.txt: Permission denied
student@student-virtual-machine:~$ chmod +x task1.txt
student@student-virtual-machine:~$ ./task1.txt
data.txt exists.
                           Task 2:
 student@student-virtual-machine:~$ pico task2.txt
 student@student-virtual-machine:~S
                                           task2.txt
  GNU nano 6.2
read -p "Enter a number: " num
if [ $((num % 2)) -eq 0 ]; then
    echo "Even number."
else
    echo "Odd number."
fi
student@student-virtual-machine:~$ ./task2.txt
Enter a number: 8
Even number.
student@student-virtual-machine:~$
```

Task 3:

student@student-virtual-machine:~\$ pico task3.sh

```
student@student-virtual-machine:~$ chmod +x task3.sh
student@student-virtual-machine:~$ ./task3.sh
Enter your score (0-100): 80
Grade: B
```

Task 4:

student@student-virtual-machine:~\$ pico task4.sh

```
fi
;;
*)
echo "Invalid operator."
;;
esac

student@student-virtual-machine:~$ chmod +x task4.sh
```

```
student@student-virtual-machine:~$ chmod +x task4.sh
student@student-virtual-machine:~$ ./task4.sh
Enter first number: 6
Enter second number: 4
Enter operator (+, -, *, /): /
Result: 1
student@student-virtual-machine:~$ ./task4.sh
Enter first number: 8
Enter second number: 3
Enter operator (+, -, *, /): *
Result: 24
student@student-virtual-machine:~$
```