

## ASSIGNMENT 2

**Assignment 2:** Write a script that reads numbers from the user until they enter '0'. The script should also print whether each number is odd or even.

**Description:** This script reads numbers from the user until they enter **0**. It prints whether each number is odd or even.

**Script:**

```
#!/bin/sh

# Read numbers from the user until they enter 0

while true; do

    read -p "Enter a number (enter 0 to exit): " number

    if [ "$number" -eq 0 ]; then
        break
    fi

    if [ $((number % 2)) -eq 0 ]; then
        echo "$number is even"
    else
        echo "$number is odd"
    fi
done
```

**Sample Output:**

```
Enter a number (enter 0 to exit): 5
5 is odd

Enter a number (enter 0 to exit): 8
8 is even

Enter a number (enter 0 to exit): 13
13 is odd

Enter a number (enter 0 to exit): 0
```

cloud2.rpsconsulting.in/console/#/client/MjY2MzIAVwBteXNbA==

May 25 07:39

rps@rps-virtual-machine: ~/programs

```
GNU nano 6.2 check_numbers.sh
#!/bin/sh

# Read numbers from the user until they enter 0
while true; do
    read -p "Enter a number (enter 0 to exit): " number
    if [ "$number" -eq 0 ]; then
        break
    fi
    if [ $((number % 2)) -eq 0 ]; then
        echo "$number is even"
    else
        echo "$number is odd"
    fi
done
```

Read 16 lines

Help Exit Write Out Read File Where Is Replace Cut Paste Execute Justify Location Go To Line Undo Redo Set Mark Copy To Bracket Where Was

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07:38 AM 25-05-2024

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rps@rps-virtual-machine: ~/programs

```
rps@rps-virtual-machine:~$ cd programs
rps@rps-virtual-machine:~/programs$ nano check_numbers.sh
rps@rps-virtual-machine:~/programs$ chmod 777 ./check_numbers.sh
rps@rps-virtual-machine:~/programs$ ./check_numbers.sh
Enter a number (enter 0 to exit): 4
4 is even
Enter a number (enter 0 to exit): 3
3 is odd
Enter a number (enter 0 to exit): 6
6 is even
Enter a number (enter 0 to exit): 9
9 is odd
Enter a number (enter 0 to exit): 10
10 is even
Enter a number (enter 0 to exit): 7654
7654 is even
Enter a number (enter 0 to exit): 0
rps@rps-virtual-machine:~/programs$
```

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