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.

Ans:

Step1:

 nano oddeven.sh

this command is use for the creating script file

after writing the script

use CTRL+O to save the file

press ENTER

For exit from the file PRESS

CTRL+X

The Script i

#1/bin/bash

echo "enter the no"

while true; do

read -p "enter the no: 11 nu

if ["$nu" -eq 0]; then

echo "exit the program"

break

fi

a=$((nu % 2))

 if ["$a" -eq 0]; then

echo "even" else

echo "odd"

fi

done

Step3 :

Use command

chmod +x odd_even_checker.sh

This command is essential because it sets the necessary permissions on the file to allow it to be run as a program in your Linux environment

Step4:

Use ./oddeven.sh

To excute the script

Following is output snapshots:

```
GNU nano 6.2                          oddeven.sh *

#1/bin/bash
echo "enter the no"
while true; do
read -p "enter the no: " nu

if [ "$nu" -eq 0 ]; then

echo "exit the program"

break
fi

a=$((nu % 2))
if [ "$a" -eq 0 ]; then
echo "even"
else
echo "odd"

fi

done
```

```
^G Help      ^O Write Out   ^W Where Is   ^K Cut     ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit      ^R Read File   ^\ Replace    ^U Paste   ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy       ^Q Where Was
```

```
rps@rps-virtual-machine:~$ nano oddeven.sh
rps@rps-virtual-machine:~$ chmod +x oddeven.sh
rps@rps-virtual-machine:~$ ./oddeven.sh
enter the no
enter the no: 10
even
enter the no: 21
odd
enter the no: 22
even
enter the no: 33
odd
enter the no: 0
exit the program
rps@rps-virtual-machine:~$
```