**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.

# function to check even or odd

check\_even\_odd () {

> if [ $(( $1 % 2 )) -eq 0 ]; then

> echo "$1 is even"

> else

> echo "$1 is odd"

> fi

> }

check\_even\_odd 4;

**4 is even**

check\_even\_odd 5;

**5 is odd**

**# loop to read number from user**

while true; do

> echo -n "Enter a number ( 0 to quit ):"

> read number

> if [ "$number" -eq 0 ]; then

> echo "Exiting..."

> break

> fi

> check\_even\_odd "$number"

> done

**Enter a number ( 0 to quit ):7**

**7 is odd**

**Enter a number ( 0 to quit ):10**

**10 is even**

**Enter a number ( 0 to quit ):5**

**5 is odd**

**Enter a number ( 0 to quit ):16**

**16 is even**

**Enter a number ( 0 to quit ):0**

**Exiting...**