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...