

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:

Function to check if a number is odd or even

```
check_odd_even() {  
    if [ $(( $1 % 2 )) -eq 0 ]; then  
        echo "$1 is even"  
    else  
        echo "$1 is odd"  
    fi  
}
```

Loop to read numbers from the user

```
while true; do  
    echo -n "Enter a number (0 to quit): "  
    read number  
    if [ "$number" -eq 0 ]; then  
        echo "Exiting..."  
        break  
    fi  
    check_odd_even "$number"  
done
```

ScreenShort:

```
~/koma1$ # Loop to read numbers from the user  
~/koma1$ while true; do  
> echo -n "Enter a number (0 to quit): "  
> read number  
> if [ "$number" -eq 0 ]; then  
>   echo "Exiting..."  
>   break  
> fi  
> check_odd_even "$number"  
> done  
Enter a number (0 to quit): 6  
6 is even  
Enter a number (0 to quit): 4  
4 is even  
Enter a number (0 to quit): 1  
1 is odd  
Enter a number (0 to quit): 34  
34 is even  
Enter a number (0 to quit): 21  
21 is odd  
Enter a number (0 to quit): 89  
89 is odd  
Enter a number (0 to quit): 0  
Exiting...  
~/koma1$
```

