Here is a shell script that reads numbers from the user until they enter '0' and prints whether each number is odd or even:

#!/bin/bash

while true; do

# Prompt the user for input

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

# Check if the input is a number

if ! [[ "$number" =~ ^-?[0-9]+$ ]]; then

echo "Invalid input. Please enter a valid number."

continue

fi

# Check if the number is 0

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

echo "Exiting..."

break

fi

# Determine if the number is odd or even

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

echo "$number is even."

else

echo "$number is odd."

fi

done

**To use this script:**

1. Save it to a file, for example `odd\_even.sh`.

2. Make the script executable with the command `chmod +x odd\_even.sh`.

3. Run the script with `./odd\_even.sh`.

This script will keep asking for numbers and tell you whether each number is odd or even, until you enter '0' to exit.