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.**

```
#!/bin/bash

while true; do
  read -p "Enter numbers (separated by spaces, 0 to quit): " -a numbers

  for number in "${numbers[@]}"; do
      if [ "$number" -eq 0 ]; then
        echo "Exiting..."
        exit 0
      fi

      if [ $((number % 2)) -eq 0 ]; then
         echo "$number is even."
      else
         echo "$number is odd."
      fi
  done
done
```

OUTPUT:

```
rps@rps-virtual-machine:~/Desktop/8. SHELL SCRIPTING WITH BASH$ chmod 777
oddoreven.sh
rps@rps-virtual-machine:~/Desktop/8. SHELL SCRIPTING WITH BASH$ ./oddoreven.sh
Enter numbers (separated by spaces, 0 to quit): 4 7 13 8
4 is even.
7 is odd.
13 is odd.
8 is even.

rps@rps-virtual-machine:~/Desktop/8. SHELL SCRIPTING WITH BASH$ ./oddoreven.sh
Enter numbers (separated by spaces, 0 to quit): 10 21 34
10 is even.
21 is odd.
34 is even.

rps@rps-virtual-machine:~/Desktop/8. SHELL SCRIPTING WITH BASH$ ./oddoreven.sh
Enter numbers (separated by spaces, 0 to quit): 5 0 12
5 is odd.
Exiting…
```