

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. in terminal

```
#!/bin/bash
```

```
for (( ; )); do
```

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

```
    # Check if input is a valid integer
```

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

```
        echo "Invalid input. Please enter an integer."
```

```
        continue
```

```
    fi
```

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

```
        echo "Exiting the program."
```

```
        break
```

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

```
        echo "$number is even."
```

```
    else
```

```
        echo "$number is odd."
```

```
    fi
```

```
done
```