

```
1  """
2  CS241 Homework 03
3  Written by Chad Macbeth
4  """
5
6  # Start with empty lists
7  odd_numbers = []
8  even_numbers = []
9
10 # Loop until 0 is entered
11 number = 1
12 while (number != 0):
13     number = int(input("Enter a number (0 to quit): "))
14     # If number is even (and not 0) then add to even list
15     # if number is odd then add to odd list
16     if (number != 0 and number % 2 == 0):
17         even_numbers.append(number)
18     elif (number % 2 == 1):
19         odd_numbers.append(number)
20
21 # Print out both lists
22
23 print()
24 print("Even numbers:")
25 for number in even_numbers:
26     print(number)
27
28 print()
29 print("Odd numbers:")
30 for number in odd_numbers:
31     print(number)
32
```