Python Lab 1

Problem 1

1. Write a Python that asks the user to enter a number and then print the number.
2. Update the program to check if the number is positive, negative, or zero and print the result. (print "Positive", "Negative", or "Zero")
3. Check if the number is even or odd and print the result. (print "Even" or "Odd")

Expected Output:

```
Enter a number: 5
5
Positive
Odd
```

Problem 2

1. Update the program in Problem 1 to handle the case when the user enters a non-numeric value. Print an error message if the input is not a number.

Expected Output:

```
Enter a number: 5
5
Positive
Odd
```

```
Enter a number: hello
Error: Please enter a valid number
```

Problem 3

1. Given a list of numbers, write a Python program to find the sum of all the numbers in the list.
2. Update the program to find the average of the numbers in the list.

```
numbers = [10, 20, 30, 40, 50]
```

Expected Output:

```
Sum: 150
Average: 30
```