

Problem 1

```
1> cd("C:/Users/Kraut/Documents/Workspace/erlang-lab/").
c:/Users/Kraut/Documents/Workspace/erlang-lab
ok
2> lab01:velocity(10, 59).
0.1694915254237288
3> lab01:velocity(100, 51).
1.9607843137254901
4> lab01:velocity(100, 100).
1.0
5> |
```

Problem 2

```
5> lab01:isDifferent(5.0, 5).
true
6> lab01:isDifferent(5.0, 4.0).
true
7> lab01:isDifferent(5, 5).
false
8> |
```

Problem 3

```
8> lab01:parity(5).
odd
9> lab01:parity(4).
even
10> lab01:parity(401).
odd
11> lab01:parity(4012).
even
12> |
```

Problem 4

```
12> lab01:colorOfTheDay(monday).  
red  
13> lab01:colorOfTheDay(tuesday).  
orange  
14> lab01:colorOfTheDay(wednesday).  
yellow  
15> lab01:colorOfTheDay(thursday).  
green  
16> lab01:colorOfTheDay(friday).  
blue  
17> lab01:colorOfTheDay(saturday).  
indigo  
18> lab01:colorOfTheDay(sunday).  
violet  
19> lab01:colorOfTheDay(humpDay).  
no_match  
20> |
```

Problem 5

```
20> lab01:myPerfectSqrt(4).  
2  
21> lab01:myPerfectSqrt(16).  
4  
22> lab01:myPerfectSqrt(17).  
not_perfect  
23> lab01:myPerfectSqrt(0).  
0  
24> |
```

Problem 6

```
24> lab01:mySum(5).  
15  
25> lab01:mySum(500).  
125250  
26> lab01:mySum(0).  
0  
27> lab01:mySum(-1).  
0  
28> |
```

Problem 7

```
28> lab01:divide(10, 2).  
5  
29> lab01:divide(100, 4).  
25  
30> lab01:divide(100, 5).  
20  
31> lab01:divide(100, 6).  
16  
32> lab01:divide(3, 2).  
1  
33> lab01:divide(1, 2).  
0  
34> lab01:divide(0, 2).  
0  
35> lab01:divide(0, 0).  
div_by_zero_error  
36> lab01:divide(1, 1).  
1  
37> |
```

Problem 8

```
37> lab01:fullDivide(10, 2).  
{5,0}  
38> lab01:fullDivide(10, 3).  
{3,1}  
39> lab01:fullDivide(100, 3).  
{33,1}  
40> lab01:fullDivide(99, 3).  
{33,0}  
41> lab01:fullDivide(9, 18).  
{0,9}  
42> lab01:fullDivide(1, 2).  
{0,1}  
43> lab01:fullDivide(2, 2).  
{1,0}  
44> |
```

Problem 9

```
44> lab01:labStatistics(leader, 'Caleb', 1).  
LEADER: Caleb's contribution was 100%  
ok  
45> lab01:labStatistics(student, 'Caleb', .4).  
* 1:39: syntax error before: '.'  
45> lab01:labStatistics(student, 'Caleb', 0.4).  
Caleb's contribution was 40.0%  
ok  
46> lab01:labStatistics(professorCharles, 'Caleb', 10).  
dont_do_that  
47> |
```

Problem 10

```
50> c(lab01).  
{ok,lab01}  
51> lab01:labOne().  
LEADER: Caleb's contribution was 40.0%  
Jonathan's contribution was 30.0%  
Terence's contribution was 30.0%  
done  
52> |
```