# Practical 2 – Strings, Files and Exceptions

In your console, type in the following (run each print line multiple times), and answer the questions below.

import random

print(random.randint(5, 20)) # line 1

print(random.randrange(3, 10, 2)) # line 2

print(random.uniform(2.5, 5.5)) # line 3

● What did you see on line 1?

What was the smallest number you could have seen, what was the largest?

**A random number where 5 is the smallest and 20 is the largest possible number shown.**

● What did you see on line 2?

What was the smallest number you could have seen, what was the largest?

**A random number ODD between 3 and 10.**

Could line 2 have produced a 4? **No.**

● What did you see on line 3?

What was the smallest number you could have seen, what was the largest?

**A random number between where 2.5 is the smallest and 5.5 is the largest possible number shown.**

**Exceptions**

**Questions**

1. When will a ValueError occur?

**When trying to use anything but an integer as input.**

2. When will a ZeroDivisionError occur?

**When the denominator is zero.**

3. Could you change the code to avoid the possibility of a ZeroDivisionError?