

Errors and Exceptions Homework

Problem 1

Handle the exception thrown by the code below by using `try` and `except` blocks.

In [1]:

```
for i in ['a', 'b', 'c']:
    print(i**2)
```

```
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-----
TypeError                                 Traceback (most recent call
l last)
<ipython-input-1-c35f41ad7311> in <module>()
      1 for i in ['a', 'b', 'c']:
----> 2     print(i**2)
```

TypeError: unsupported operand type(s) for `**` or `pow()`: `'str'` and `'int'`

Problem 2

Handle the exception thrown by the code below by using `try` and `except` blocks. Then use a `finally` block to print 'All Done.'

In [2]:

```
x = 5
y = 0

z = x/y
```

```
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-----
ZeroDivisionError                       Traceback (most recent call
l last)
<ipython-input-2-6f985c4c80dd> in <module>()
      2 y = 0
      3
----> 4 z = x/y
```

ZeroDivisionError: division by zero

Problem 3

Write a function that asks for an integer and prints the square of it. Use a `while` loop with a `try`, `except`, `else` block to account for incorrect inputs.

In [3]:

```
def ask():  
    pass
```

In [4]:

```
ask()
```

```
Input an integer: null  
An error occurred! Please try again!  
Input an integer: 2  
Thank you, your number squared is:  4
```

Great Job!