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)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call 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
```

```
---------------------------------------------------------------------------
ZeroDivisionError                         Traceback (most recent call 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!