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Errors and Exceptions Homework - Solution

Problem 1

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

```
In [1]: try:
        for i in ['a', 'b', 'c']:
            print(i**2)
        except:
            print("An error occurred!")
```

An error occurred!

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
        try:
            z = x/y
        except ZeroDivisionError:
            print("Can't divide by Zero!")
        finally:
            print('All Done!')
```

Can't divide by Zero!
All Done!

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():

        while True:
            try:
                n = int(input('Input an integer: '))
            except:
                print('An error occurred! Please try again!')
                continue
            else:
                break
```

```
print('Thank you, your number squared is: ',n**2)
```

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!