

# 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!