

# 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 [4]: 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 [24]: def ask():  
    while True:  
        try:  
            n = input('Input an integer: ')  
        except:  
            print 'An error occurred! Please try again!'  
            continue  
        else:  
            break  
  
    print 'Thank you, you number squared is: ',n**2
```

```
In [25]: ask()  
  
Input an integer: null  
An error occurred! Please try again!  
Input an integer: 2  
Thank you, you number squared is:  4
```

## Great Job!