Python course materials

# Errors and Exceptions Homework - Solution

### Problem 1

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

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.’

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.

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)

ask()

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

# Great Job!