**Prerequisite:**

* Completed Programming Assignment #1
* Program to identify 4 digit PINs (Personal Identification Numbers)

**Assignment:**

1. Extend your PIN Program to validate 6 digit PINs
   * The result should be to tell the user if the PIN is a good PIN   
     or if the PIN is an easy PIN to guess.
2. Read in the 6 digit user PIN as a string or a list (your choice)
   * i.e. use pinNumber = str(input(“Enter a PIN”))
3. Check that the PIN is valid
   * Check that there are no letters
   * Check that there are no spaces or punctuation marks
   * Leading zeroes are valid and significant (e.g. “000001” is a valid PIN)
4. Check for the use of simple patterns (e.g. “111111”)
5. Check for the use other common patterns (e.g. birthdays, etc.)
6. Print out a PIN analysis summary
   * That the PIN is valid or invalid
   * If the PIN is easy or hard to guess

myNumber = str(input("Enter a 6 digit Pin:"))

numberlen = len(myNumber)

pin = int(myNumber)

while(numberlen != 6):

print('Your Pin is too long or too short')

myNumber = str(input("Enter a 6 digit Pin"))

numberlen = len(myNumber)

myList = [111111, 222222, 444444, 666666, 888888, 999999, 000000]

while(pin in myList):

print("Your Pin is easy to guess!")

pin = int(input("Re-type your number!")