Exercise 2-0:

Write the pre-class registration assignment using Python. Hints:

#1 loop can be done this way:

```
for p in range(0,9): ---> alternatively: range(9)
    print p
```

#2 to generate random numbers:

import random (usually done at the beginning of the code)
x=random.randint(0,9)

Exercise 2-1: Binary to Decimal conversion

#1 Complete the script and verify that it's working #2 Add the code to verify that the input string contains only 0s and 1s. The code should use only the methods covered until the 2nd classs.

Save the script as ex2-1.py and submit it on SFS

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Exercise 2-2:

Run the script and explain how the print command (highlighted in red) in the script gives/format the output. Hint: Use help() facility in python and research as required

Save following script as ex2-2.py. Write comment(text) on SFS

```
#!/usr/bin/env python
converts decimal to binary.
decimal = raw_input("Enter a decimal integer: ")
decimal = int(decimal)
if decimal == 0:
       print 0
else:
       print "Quotient remainder binary"
       bstring = ""
       while decimal > 0:
               remainder = decimal % 2
               decimal = decimal / 2
               bstring = str(remainder) + bstring
                   print "%5d%8d%12s" % (decimal,
remainder, bstring)
          print "The binary representation is ",
bstring
```