Assignment - 17

1A. guess_me=7

```
if guess_me < 7:
   print('too low')
elif guess_me > 7:
   print('too high')
else:
   print('just right')
```

2A. guess_me = 7

```
start = 1
while True:
   if start < guess_me:
      print('too low')
   elif start == guess_me:
      print('found it')
   else:
      print('oops')
      break
   start = start+1
```

3A. list1 = [3,2,1,0]

```
for l in list1:
   print(l)
```

4A. [l for l in list1] # list comprehension

5A. {a:a*a for a in range(10)} # dict comp

```
6A. # set comprehension
{odd for odd in range(10) if odd%2 != 0}
7A. # Gen comp
gen = (g for g in range(10))
for i in gen:
   print(i)
8A. def good():
   l = ['Harry','Ron','Hermoine']
   return l
good()
9A. get_odds = (odd for odd in range(10) if odd%2 != 0)
for i in get_odds:
   next(itertools.islice(i,3,None))
10A. # define Python user-defined exceptions
class Error(Exception):
   """Base class for other exceptions"""
   pass
class OopsException(Error):
   """Raised when the input value is too small"""
   pass
# you need to guess this number
number = 10
# user guesses a number until he/she gets it right
while True:
```

```
    try:
        i_num = int(input("Enter a number: "))
        if i_num < number:
            raise OopsException
        break
    except OopsException:
        print("Caught an oops")
        print()

print("Congratulations! You guessed it correctly.")
```

11A.
```
titles = ['Creature of Habit','Crewel Fate']
plots = ['A nun turns into a monster', 'A haunted yarn shop']
movies=zip(titles,plots)
movies  # zipped iterator object
dict(movies)
```