Python basics assignments -15

1. There are 60 seconds in a minute.
2. seconds\_per\_hour = 60
3. There are 60 minutes in an hour and 60 seconds in a minute, so there are 60\*60 = 3600 seconds in an hour.
4. seconds\_per\_day = 3600 \* 24 = 86400
5. 86400 / 3600 = 24.0
6. 86400 // 3600 = 24
7. Here is a generator that returns the sequence of prime numbers:

def genPrimes():

primes = []

n = 2

while True:

is\_prime = True

for p in primes:

if n % p == 0:

is\_prime = False

break

if is\_prime:

primes.append(n)

yield n

n += 1

primes = genPrimes()

print(next(primes)) # 2

print(next(primes)) # 3

print(next(primes)) # 5

print(next(primes)) # 7