Python basic assignment 15:

Q1) 60 seconds. print(60\*60)

Q2) seconds\_per\_minute = 60

minutes\_per\_hour = 60

seconds\_per\_hour = seconds\_per\_minute\*minutes\_per\_hour

Q3) 86400.

seconds\_per\_minute = 60

minutes\_per\_hour = 60

seconds\_per\_hour = seconds\_per\_minute\*minutes\_per\_hour

hours\_per\_day = 24

print(seconds\_per\_minute\*minutes\_per\_hour\*hours\_per\_day)

Q4) seconds\_per\_day = seconds\_per\_minute\*minutes\_per\_hour\*hours\_per\_day

Q5) print(seconds\_per\_day/seconds\_per\_hour). Answer is 24.0.

Q6) print(seconds\_per\_day//seconds\_per\_hour). Answer is 24. Yes, both values have agreed.

Q7) def genPrimes(n):

primes = [2]

b = n+1

for i in range(3,b):

count = 0

for j in range(2,i):

if i%j != 0:

count = count + 1

if count == i-2:

primes.append(i)

print(primes)

a = int(input("Enter the maximum number till which you need prime numbers "))

genPrimes(a)