>>> # 2. a.

>>> 52\*\*8

53459728531456

>>> (52\*\*8)\*10\*\*-9

53459.72853145601

>>> # 2. b.

>>> seconds=390877006486

>>> days=seconds/60/60/24

>>> years=days/365

>>> millenium=years/1000

>>> days

4524039.426921296

>>> years

12394.62856690766

>>> millenium

12.394628566907661

>>> # 2. c.

>>> x=180

>>> int(x/2.54/12)

5

>>> int(12\*((x/2.54/12) - int(x/2.54/12)))

10

>>> x=178

>>> int(x/2.54/12)

5

>>> int(12\*((x/2.54/12) - int(x/2.54/12)))

10

>>> x=190

>>> int(x/2.54/12)

6

>>> int(12\*((x/2.54/12) - int(x/2.54/12)))

2

>>> # 3. a.

>>> t="houses"

>>> "s"==t[len(t)-1]

True

>>> t="house"

>>> "s"==t[len(t)-1]

False

>>>

>>> # 3. b.

>>> t="houses"

>>> "s"==t[len(t)-1] and "e"==t[len(t)-2]

True

>>> t="canvas"

>>> "s"==t[len(t)-1] and "e"==t[len(t)-2]

False

>>> t="painter"

>>> "s"==t[len(t)-1] and "e"==t[len(t)-2]

False

>>> #3. c.

>>> s="Antidisestablishmentarianism"

>>> t="Honorificabilitudinitatibus"

>>> len(s)>len(t)

True

>>> s="long"

>>> t="short"

>>> len(s)>len(t)

False

>>> #3.d.

>>> s="hello"

>>> t="many"

>>> u="world"

>>> (s<t and t<u)or(u<t and t<s)

True

>>> #3.d.

>>> s="hello"

>>> t="brave"

>>> u="world"

>>> (s<t and t<u)or(u<t and t<s)

False

>>> #3.d.

>>> s="world"

>>> t="many"

>>> u="hello"

>>> (s<t and t<u)or(u<t and t<s)

True

#4.a.

word = input('Please enter your word: ')

s = 'Your word starts with ' + word[0]

print(s)

>>>

Please enter first word: hello

Please enter second word: brave

False

>>> ================================ RESTART ================================

>>> ================================ RESTART ================================

>>>

Please enter first word: hello

Please enter second word: world

True

>>> ================================ RESTART ================================

>>>

#4.b.

firstWord = input("Please enter first word: ")

secondWord = input("Please enter second word: ")

print(firstWord<secondWord)

Please enter your word: school

Your word starts with s

>>> ================================ RESTART ================================

>>> ================================ RESTART ================================

>>>

Please enter your word: hello

Your word starts with h

#5

s="he"

t="heheheheheheh"

print(s \* int(len(t) / len(s)) == t)

>>>

False

>>>