Python basic assignment 19:

Q1) class Thing:

pass

print(Thing)

Output: <class ‘\_\_main\_\_.Thing'>

Code:

example = Thing()

print(example)

Output: <\_\_main\_\_.Thing object at 0x7fc958089730>

Printed values are different.

Q2) class Thing2:

def \_\_init\_\_(self, letters):

self.letters = letters

value1 = Thing2('abc')

print(value1.letters)

Output: abc

Q3) class Thing3:

def \_\_init\_\_(self, letters):

self.letters = letters

value2 = Thing3('xyz')

print(value2.letters)

Output: xyz

Q4) class Element:

def \_\_init\_\_(self, name, symbol, number):

self.name = name

self.symbol = symbol

self.number = number

object1 = Element('Hydrogen', 'H', 1)

Q5) dict1 = {'name': 'Hydrogen', 'symbol': 'H', 'number': 1}

class Element:

def \_\_init\_\_(self, dict1):

for key, val in in\_dict1.items():

setattr(self, key, hydrogen(val))

Stuck here. Code is not working.

Q6) class Element:

def \_\_init\_\_(self, name, symbol, number):

self.name = name

self.symbol = symbol

self.number = number

@classmethod

def dump(cls, name, symbol, number):

print(name)

print(symbol)

print(number)

return cls(name, symbol, number)

hydrogen = Element('Hydrogen', 'H', 1)

Stuck here. Code is not working.

Q8) class Element:

def get\_name(self):

return self.\_name

def get\_symbol(self):

return self.\_symbol

def get\_numberprivate(self):

return self.\_numberprivate

Q9) class Bear:

def \_\_init\_\_(self, eat):

self.eat = eat

@classmethod

def eats(cls, eat):

print("berries")

return cls(eat, "berries")

class Rabbit:

def \_\_init\_\_(self, eat):

self.eat = eat

@classmethod

def eats(cls, eat):

print("clover")

return cls(eat, "clover")

class Octothorpe:

def \_\_init\_\_(self, eat):

self.eat = eat

@classmethod

def eats(cls, eat):

print("campers")

return cls(eat, "campers")

vinni = Bear('vinni')

peter = Rabbit('peter')

oswald = Octothorpe('oswald')

vinni.eats()

peter.eats()

oswald.eats()

Stuck here. Code not working.

Q10)