1. In the below code, what is the type of the variable a?

====================================================================================

a="1"

====================================================================================

1. String
2. Float
3. Integer
4. List
5. In the below code, what will be printed?

====================================================================================

a=1

b=2

c=a+b

print(c)

====================================================================================

1. 1
2. 2
3. 3
4. An error message
5. In if the below code were run, what would you see printed on your screen?

====================================================================================

print(Hello)

====================================================================================

1. Hello
2. An Error message
3. Nothing
4. If the below code were run, what would appear on your screen as a result of the print statement?

====================================================================================

a=1

b=1

print(a==b)

====================================================================================

1. True
2. 1
3. An error message
4. The below code results in a syntax error. Which option properly correct that error?

====================================================================================

a=3

if a=3:

print('Three')

====================================================================================

1. Replace "if a=3" with "if a==3":
2. Replace "print('Three')" with "print(Three)"
3. Remove the indent before "print('Three')"
4. Insert an indent before the word "if"
5. Which of the below changes would not make the below code print "Correct"?

====================================================================================

a=1

if a<1:

print("Correct")

else:

print("Incorrect")

====================================================================================

1. Replace "a=1" with "a=0"
2. Replace "if a<1:" with "if a<=1:"
3. Replace "if a<1:" with "if a=1:"
4. Replace "if a<1:" with "if a>=1:"
5. What is the error in the below code to print each item in animals on a separate line?

====================================================================================

animals= ['cat','dog','mouse']

for a in animals

print(a)

====================================================================================

1. There is a colon missing at the end of "for a in animals"
2. "print(a)" should be "print(animals[a])"
3. "animals= ['cat','dog','mouse']" should be "animals= [cat,dog,mouse]"
4. "animals= ['cat','dog','mouse']" should be "animals={cat,dog,mouse}"
5. Which of the below options will print the number 3?
6. print(len([1,2,1]))
7. print([1,2,1].len())
8. print([1,2,1].len)
9. Which of the below options will create a list called myList?
10. myList= [1,2,3]
11. myList= (1,2,3)
12. myList={1,2,3}
13. myList=list(1,2,3)
14. Which of the below options will print the word cat, given the list of animals below

====================================================================================

animals= ['dog','cat','mouse']

====================================================================================

1. animals(1)
2. animals[1]
3. animals["1"]
4. animals[2]
5. Which choice will print the same as the below code?

====================================================================================

myDict={‘Apple’:2,’Orange’:3}

print(myDict[‘Orange’])

====================================================================================

1. print({‘Apple’:2,’Orange’:3}[‘Orange’])
2. print(myDict[1])
3. print(myDict(1))
4. print({‘Apple’:2,’Orange’:3})
5. What will appear when the below code is run?

====================================================================================

myList=[1,2,3]

myList[1]=0

print(myList[1])

====================================================================================

1. An error
2. 0
3. 1
4. 2
5. 3
6. What will appear when the below code is run?

====================================================================================myList=[1,2,3]

myList.append(4)

print(myList[3])

====================================================================================

1. An Error
2. 1
3. 2
4. 3
5. 4
6. Which type of punctuation is always used to enclose lists?
   1. [ and ]
   2. { and }
   3. ( and )
   4. “ and “
7. Which type of punctuation is always used after functions to enclose their inputs?
   1. [ and ]
   2. { and }
   3. ( and )
   4. “ and “
8. Which type of punctuation is always used to enclose dictionaries?
   1. [ and ]
   2. { and }
   3. ( and )
   4. “ and “
9. Which type of punctuation is always used to enclose strings?
   1. [ and ]
   2. { and }
   3. ( and )
   4. “ and “
10. Which of the following options properly defines a function to add one to a number?
    1. def addone(number):

return number+1

* 1. def addone(number):

print(number+1)

* 1. def addone(number):

return(number+1)

* 1. def addone():

return number+1

1. With the proper implementation of the function for question 18, which of the following items would **not** print 3?
   1. print(addone(2))
   2. a=addone(2)

print(a)

* 1. print(2.addone())
  2. a=[addone(2)]

print(a[0])

1. What will appear when the below code is run?

====================================================================================myDict={1:’Apple’,2:’Orange’ }

print(myDict(1))

====================================================================================

1. An Error
2. 1
3. Apple
4. Orange
5. When the below function is defined, which of the following will **not** print 3?

====================================================================================

def divideBy(numerator,denominator):

return numerator/denominator

====================================================================================

1. print(divideBy(9,3))
2. quotient=divideBy(9,3)

print(quotient)

1. print(divideBy(denominator=3,numerator=9))
2. print(9.divideBy(3))
3. What will appear when the below code is run?

====================================================================================

applePrices=[1,2,3]

orangePrices=[4,5]

myDict={‘Apple’:applePrices,’Orange’:orangePrices}

print(myDict[‘Apple’][1])

====================================================================================

1. An error
2. ‘applePrices’
3. 1
4. 2
5. Which of the below options would not result in an error if run?
   1. len[1,2,3]
   2. len(1,2,3)
   3. len([1,2,3])
   4. [1,2,3].len()
6. With the below function defined, which option will run without error?

====================================================================================

def getSecondItem(myList):

return myList[1]

====================================================================================

* 1. getSecondItem(1,2)
  2. getSecondItem({‘One’:1,’Two’:2})
  3. getSecondItem([1])
  4. getSecondItem([1,2])

1. What would appear if the below code were run?

====================================================================================

myList=[1,2,3]

myNumber=myList[1]

myNumber+1

print(myNumber)

====================================================================================

1. An Error
2. 1
3. 2
4. 3