

1. What is the output of the following code atuple = (100, 200, 300, 400, 500) print(atuple[-2]) print(atuple[-4:-1])
1.IndexError: tuple index out of range
2.400
3. (200, 300, 400)
O 1.2
② 2.3
O 1,3
O None
Explanation: Use the range of negative indexes to start a search from the end of the tuple.
2. What is the type of the following variable
z. What is deepen the following variable atuple = ("Orange")
print(type(atuple))
O list
tuple
orray
● str
Explanation: Explanation: To create a tuple with a single item, you need to add a comma after the item. Otherwise, Python will not recognize the variable as a tuple, and it will treat it as a string type.
Explanation: Explanation. To create a tupte with a single item, you need to add a comma after the Item. Otherwise, Python with not recognize the variable as a tupte, and it will treat it as a suring type.
3. What is the output of the following tuple operation
atuple = (100,)
print(atuple * 2)
○ TypeError
O (200)
O a&b
Explanation: We can use * operator to repeat the tuple values n number of times.
4. What is the output of the following dictionary operation dict1 = {"name": "Mike", "salary": 8000}
utit = { Indire : Indire : Satisty : Octoby temp = distribute(Higher)
print(temp)
○ KeyError: 'age'
None
Explanation: The get() method returns a value of the key. If the key is not found, it returns None, instead of throwing a KeyError exception.
Experience. The getty mention returns a value of the key, if the key is not found, it returns notice, instead of thowing a key trior exception.
5. What is the output of the following code dict1 = {"key1":1, "key2":2} dict2 = {"key2":2, "key1":1}
print(dict1 == dict2)
● True
O False
All of the above
onne
Explanation: We can use the == and != operators to check whether the dictionary contains the same items.
6. Select all the correct ways to copy two sets 1.set2 = set1.copy() 2.set2 = set(set1) 3.set2.update(set1)
4.set2 = set1
182 184
O 1,283
O 2,384
O None of the above
Explanation: When you set set2= set11, you are making them refer to the same dict object, so when you modify one of them, all references associated with that object reflect the current state of the object. So don't use the assignment operator to copy the set, instead use the copy() method or set() constructor.
7. What is the output of the following set operation
set1 = {"Yellow", "Orange", "Black"} set2 = {"Orange", "Blue", "Pink"}
setz = { Urange , bute , rink } set3 = set2.difference(set1)
sed – setzulifierite(setz) print(set3)
(Yellow', "Black', 'Pink', 'Blue')
(Pink, Blue)
Yellow', "Black'}
All of the above
Explanation: The difference() method returns a set that contains the difference between two sets. Here set3 = set2.difference(set1) so the returned set contains items that exist only in the first set, and not in both sets.
8. Select all, which is true for Python set 1.Sets are unordered set doesn't allow duplicate sets are written with curly brackets {}
2.set object does support indexing
set is mutable
○ Both 1&2
O None
Explanation: We mostly use sets for mathematical operations such as union and intersection. Sets are unordered; it means item order isn't fixed. So we cannot be sure in which order the items will appear. The set is mutable. We can add or remove

items from it when required.