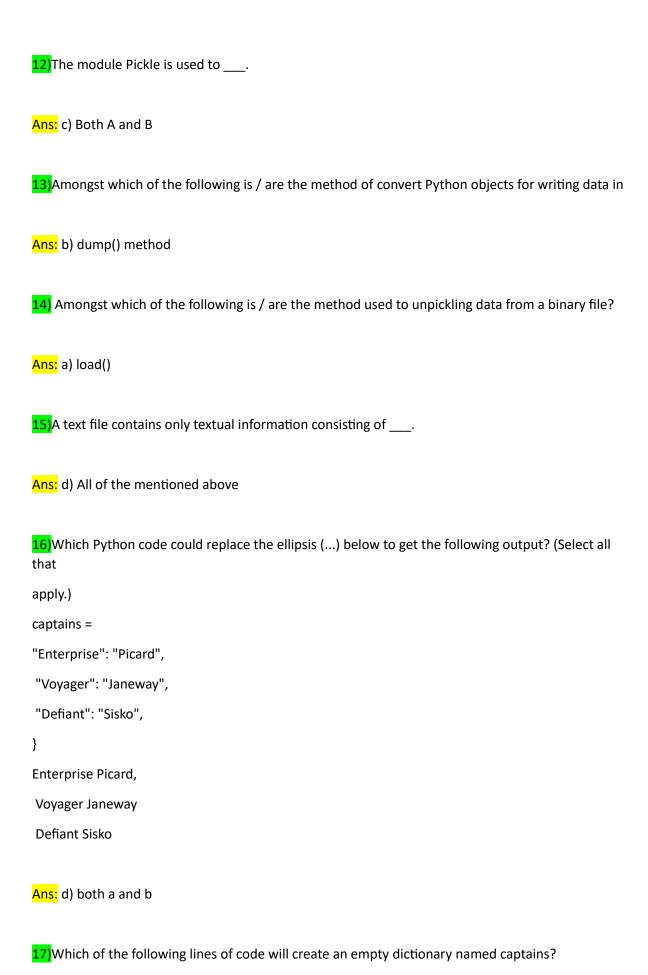
```
1) What will be the output of the following code snippet?
def func(a, b):
return b if a == 0 else func(b % a, a)
print(func(30, 75))
Ans: c) 15
2) numbers = (4, 7, 19, 2, 89, 45, 72, 22)
sorted_numbers = sorted(numbers)
even = lambda a: a % 2 == 0
even_numbers = filter(even, sorted_numbers)
print(type(even_numbers))
a) Int
b) Filter
c) List
d) Tuple
Ans: b) Filter
3) As what datatype are the *args stored, when passed into
a) Tuple
b) List
c) Dictionary
d) none
Ans: a) Tiple
4)set1 = {14, 3, 55}
set2 = {82, 49, 62}
set3={99,22,17}
print(len(set1 + set2 + set3))
```

Ans: d) Error
5) What keyword is used in Python to raise exceptions?
Ans: a) raise
6) Which of the following modules need to be imported to handle date time computations in Python?
Ans: c) datetime
7) What will be the output of the following code snippet? print $(4**3 + (7 + 5)**(1 + 1))$
Ans: c) 208
8) Which of the following functions converts date to corresponding time in Python?
Ans: b) Strftime
9) The python tuple is in nature.
Ans: Immutable
10)The is a built-in function that returns a range object that consists series of integer numbers, which we can iterate using a for loop.
Ans: a) range()
11)Amongst which of the following is a function which does not have any name?
Ans: c) Lambda function



```
Ans: d) captains{}
18) Now you have your empty dictionary named captains. It's time to add some data!
Specifically, you want to add the key-value pairs "Enterprise": "Picard", "Voyager": "Janeway",
and "Defiant": "Sisko".
Which of the following code snippets will successfully add these key-value pairs to the
existing captains dictionary?
Ans: b) captains["Enterprise"] = "Picard"
captains["Voyager"] = "Janeway"
captains["Defiant"] = "Sisko"
19) You're really building out the Federation Starfleet now! Here's what you have:
captains = {
"Enterprise": "Picard",
"Voyager": "Janeway",
"Defiant": "Sisko",
"Discovery": "unknown",
Now, say you want to display the ship and captain names contained in the dictionary, but you also
want to provide some additional context. How could you do it?
Ans: b) for ship, captain in captains.items():
print(f"The {ship} is captained by {captain}.")
20) You've created a dictionary, added data, checked for the existence of keys, and iterated over it
with
a for loop. Now you're ready to delete a key from this dictionary:
captains = {
"Enterprise": "Picard",
"Voyager": "Janeway",
```

```
"Defiant": "Sisko",

"Discovery": "unknown",
}
What statement will remove the entry for the key "Discovery"?

Ans: c) del captains["Discovery"]
```