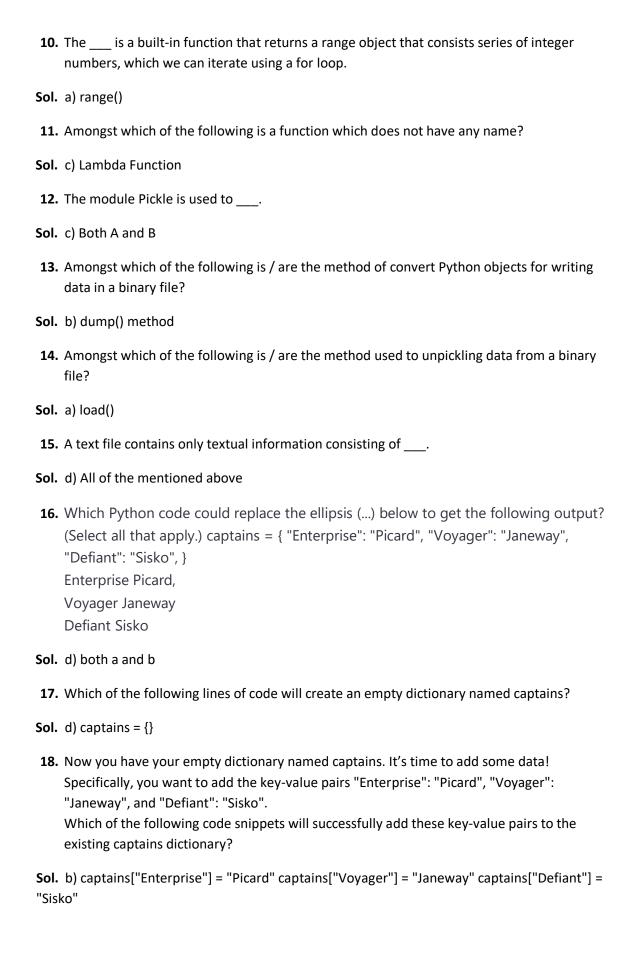
1.	what will be the output of the following code snippet?
	def func(a, b):
	return b if a == 0 else func(b % a, a)
	print(func(30, 75))
Sol.	c) 15
2.	numbers = (4, 7, 19, 2, 89, 45, 72, 22) sorted_numbers = sorted(numbers) even = lambda a: a % 2 == 0 even_numbers = filter(even, sorted_numbers) print(type(even_numbers))
Sol	b) Filter
3.	As what datatype are the *args stored, when passed into
Sol.	a) Tuple
4.	set1 = {14, 3, 55} set2 = {82, 49, 62} set3={99,22,17} print(len(set1 + set2 + set3))
Sol.	d) Error
5.	What keyword is used in Python to raise exceptions?
Sol.	a) raise
6.	Which of the following modules need to be imported to handle date time computations in Python?
Sol.	c) datetime
7.	What will be the output of the following code snippet? print $(4**3 + (7 + 5)**(1 + 1))$
Sol.	c) 208
8.	Which of the following functions converts date to corresponding time in Python?
Sol.	c) both a) and b)
9.	The python tuple is in nature.
Sol.	b)immutable



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?

**Sol.** 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"?

**Sol.** c) del captains["Discovery"]