

Assignment 1

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))
```

Answer: D) 0

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))`

Answer: B) Filter

3. As what datatype are the *args stored, when passed into

Answer : A) Tuple

4. Set1 = {14,3,55}

Set2 = {82,49,62}

Set3 = {99,22,17}

Print(len(set1+set2+set3))

Answer : D) Error

5. What keyword is used in python to raise exceptions?

Answer : A) Raise

6. Which of the following modules need to be imported to handle date time computations in python?

Answer : C) datetime

7. What will be the output of the following code snippet?

Print(4**3+(7+5)**(1+1))

Answer : C) 208

8. Which of the following functions converts date to corresponding time in python?

Answer : B) strftime

9. The python tuple is in nature.

Answer : C) unchangeable

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.

Answer: A) range()

11. Amongst which of the following is a function which does not have any name?

Answer: C) Lambda function

12. The modile pickle is used to

Answer : C) Both A and B

13. Amongst which of the following is / are method of covert python objects for writing data in a binary file?

Answer: B) dump() method

14. Amongst which of the following is / are method used to unpickling data from a binary file?

Answer: A) load()

15. A text file contains only textual information consisting of

Answer : D) All of the mentioned above (alphabets, numbers and special symbols)

16. Answer : A) for ship, captain in captains.items():

Print(ship, captain)

17. Which of the following lines of code will create an empty dictionary named captains?

Answer : D) captains = {}

18. Answer : B) captains["Enterprise"] = "Picard"

captains["Voyager"] = "Janeway"

captains["Defiant"] = "Sisko"

19. Answer : B) for ship, captain in captains.items():

Print(f"The {ship} is captained by {captain}.")

20. Answer: C) del captains["Discovery"]