

MCQ and Answer Key on Python Programming (Set 2)

1. Which of the following is incorrect?

- a) float('nan')
- b) float('inf')
- c) float('123'+4')
- d) float('123+4')

2. Find output:

```
'{a},{0},{x}'.format(123,a=1.2,x=[1,2,3])
```

- a) '1.2,123,[1, 2, 3]'
- b) '123,[1, 2, 3], 1.2'
- c) None
- d) error

3. Find Output:

```
s1='%s : %s & %s'  
s1%('Delhi','Gurgaon','Noida')
```

- a) 'Delhi' : 'Gurgaon' & 'Noida'
- b) 'Delhi : Gurgaon & Noida'
- c) Error
- d) None

4. Find Output:

```
print('there are %d %ss' %(3,'boy'))
```

- a) 'there are %d %ss'
- b) 'there are 3 boys'
- c) there are 3 boy
- d) there are 3 boys

5. Find Output:

```
bin(10-2) + bin(12^4)
```

- a) '0b10000b1000'
- b) 0b10000b1000
- c) Error
- d) None

6. what is the type of inf?

- a) int
- b) float
- c) string
- d) None

7. Find Output:

```
s={1,2}  
s1 = {3,4}  
s2 = s + s1  
print(s2)
```

- a) error
- b) {1,2,3,4}
- c) set()
- d) None

8. Find Output:

```
t1 = (3,'abc',[1,2,3])  
t2 = t1 * 2  
print(t2)
```

- a) 3,'abc',[1,2,3]
- b) 3,'abc',[1,2,3], 3,'abc',[1,2,3]
- c) (3, 'abc', [1, 2, 3], 3, 'abc', [1, 2, 3])
- d) None

9. Find Output:

```
x = [1,2,'A',(3,4),[5],{6,7},{'y':8}]  
print(len(x))
```

- a) 6
- b) 7
- c) 8
- d) None

10. Find Output

```
n = 10  
n<=<=2  
print(n)
```

- a) 10
- b) 20
- c) 40
- d) None

11. Find Output:

```
print(bool('bool'),bool(""))
```

- a) False False
- b) False True
- c) True False

d) True True

12. Find Output:

```
def func(n):  
    return n+n,n-n,n*n,n/n  
func(10)
```

- a) 20, 0, 100, 1.0
- b) (20, 0, 100, 1.0)
- c) 20, 0, 100, 1
- d) None

13. Find Output:

```
a=["Bennett","Bennett"]  
"University".join(a)
```

- a) 'BennettUniversityBennettUniversity'
- b) 'BennettUniversityBennett'
- c) BennettUniversityBennett
- d) None

14. Find Output:

```
s = 'bennett university'  
s.capitalize()
```

- a) 'Bennett University'
- b) 'Bennett university'
- c) 'BENNETT UNIVERSITY'
- d) None

15. Find Output:

```
a = [10,11]  
b = ['ab','cd']  
c = [1.2]  
for i in a:  
    for j in b:  
        for k in c:  
            print(i,j,k, end = " ")
```

- a) 10 ab 1.2 10 cd 1.2 11 ab 1.2 11 cd 1.2
- b) 10 ab 10 cd 11 ab 1.2 11 cd 1.2
- c) 10 'ab' 1.2 10 'cd' 1.2 11 'ab' 1.2 11 'cd' 1.2
- d) None

16. What are the two main types of functions in Python?

- a) System function
- b) Custom function

- c) Built-in function & User defined function
- d) User function

17. Find Output

```
def addItem(listParam):  
    listParam += [1]  
    print(listParam)
```

```
mylist = [1, 2, 3, 4]  
addItem(mylist)  
print(len(mylist))
```

- a) [1, 2, 3, 4, 1]
5
- b) [1, 2, 3, 4]
4
- c) [2, 3, 4, 5]
4
- d) None

18. Find Output:

```
z=set('abc$de')  
'a' in z
```

- a) False
- b) True
- c) error
- d) None

19. Find Output:

```
x = ['ab', 'cd']  
for i in x:  
    y = i.upper()  
    print(y, end=" ")  
print(x)
```

- a) AB CD ['ab', 'cd']
- b) Ab Cd ['ab', 'cd']
- c) ab cd ['ab', 'cd']
- d) None

20. Find Output:

```
i = 5  
while True:  
    if i%0011 == 0:  
        break  
    print(i,end=" ")
```

i += 1

- a) 5 6 7 8 9 10
- b) 5 6 7 8
- c) 5 6
- d) error

21. Find Output:

```
i = 1
while False:
    if i%2 == 0:
        break
    print(i)
    i += 2
```

- a) 1
- b) 1 3 5 7 ...
- c) 1 2 3 4 ...
- d) none of the mentioned

22. Find Output:

```
True = False
while True:
    print(True)
    break
```

- a) True
- b) False
- c) Syntax Error
- d) None

23. Find Output:

```
x = "abcdef"
i = "i"
while i in x:
    print(i, end=" ")
```

- a) No output
- b) a
- c) i
- d) None

24. Find Output:

```
x = "abcdef"
i = "a"
while i in x:
    x = x[:-1]
```

```
print(i, end = " ")
```

- a) i i i i i
- b) a a a a a
- c) a a a a a
- d) none of the mentioned

Answer Key

- 1 – d, [Explanation: ValueError : could not convert string to float : When a numeric string contains a + or other delimiters/special- characters, it can't be converted to float]
- 2 – a
- 3 – b [Explanation: 'Delhi : Gurgaon & Noida']
- 4 – d
- 5 – a [1st part : $\text{bin}(10-2) \Rightarrow 8 \Rightarrow 1000$ i.e., 0b1000 And 2nd part : $\text{bin}(12^4) \Rightarrow (1100 \text{ xor } 0100) \Rightarrow 1000$ i.e., 0b1000 Therefore, '0b1000' + '0b1000' \Rightarrow '0b10000b1000']
- 6 – b
- 7- a [Explanation: TypeError: unsupported operand type(s) for +: 'set' and 'set']
- 8 – c
- 9 – b
- 10 – c
- 11 – c
- 12 – b
- 13- b
- 14 – b
- 15 – a
- 16 – c
- 17 - a
- 18 – b
- 19 – a [Hints : in y the output of upper() will be stored but not in x]
- 20 - b [Hints : 0O11 is equivalent to 3]
- 21 – d [Explanation: the loop will not be activated]
- 22 – c [Explanation: True can't be used as identifier]
- 23 – a
- 24 – b [Explanation: in every pass of the loop the string length is decreasing]