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Python Class Test

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Ques 1. The output of the code shown below is:

```
odd=lambda x: bool(x%2)
numbers=[n for n in range(10)]
print(numbers)
n=list()
for i in numbers:
    if odd(i):
        continue
    else:
        break
```

a. [0, 2, 4, 6, 8, 10]

b. [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

c. [1, 3, 5, 7, 9]

d. Error

Ques 2. What is the output of the code shown below?

```
f=lambda x:bool(x%2)
print(f(20), f(21))
```

a. False True

b. False False

c. True True

d. True False

Ques 3. What is the output of the code shown below?

```
l=[-2, 4]
m=map(lambda x:x*2, l)
print(m)
```

a.[-4, 16]

b.Address of m

c.Error

d.-4

  16

Ques 4. Which of the following statements create a dictionary?

a. d = {}

b. d = {"john":40, "peter":45}

c. d = {40:"john", 45:"peter"}

d.All of the mentioned

Ques 5. What will be the output?

```
d = {"john":40, "peter":45}
"john" in d
```

a. True

b. False

c. None

d. Error

Ques 6. Suppose d = {"john":40, "peter":45}, to delete the entry for "john" what command do we use

a. d.delete("john":40)

b. d.delete("john")
c. del d["john"].
d. del d("john":40)

Ques 7. Suppose d = {"john":40, "peter":45}. To obtain the number of entries in dictionary which command do we use?
a. d.size()
b. len(d)
c. size(d)
d. d.len()

Ques 8. What is the output of the following?

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

a. ['ab', 'cd'].
b. ['AB', 'CD'].
c. [None, None].
d. none of the mentioned

Ques 9. What is the output of the following?

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

a. ['AB', 'CD'].
b. ['ab', 'cd', 'AB', 'CD'].
c. ['ab', 'cd'].
d. none of the mentioned

Ques 10. What is the output of the following?

```
i = 1
while True:
    if i%3 == 0:
        break
    print(i)
    i += 1
```

a. 1 2
b. 1 2 3
c. error
d. none of the mentioned

Ques 11. What is the output of the following?

```
x = 'abcd'
for i in x:
    print(i)
    x.upper()
```

a. a B C D
b. a b c d
c. A B C D
d. error

Ques 12. What is the output of the following?

```python
string = "my name is x"
for i in string.split():
    print (i, end=", ")
```

a. m, y, , n, a, m, e, , i, s, , x,
b. m, y, , n, a, m, e, , i, s, , x
c. my, name, is, x,
d. error

Ques 13. Suppose t = (1, 2, 4, 3), which of the following is incorrect?
a. print(t[3])
b. t[3] = 45
c. print(max(t))
d. print(len(t))

Ques 14. What will be the output?

```python
t=(1,2,4,3)
t[1:-1]
```

a. (1, 2)
b. (1, 2, 4)
c. (2, 4)
d. (2, 4, 3)

Ques 15. What will be the output?

```python
t = (1, 2, 4, 3, 8, 9)
[t[i] for i in range(0, len(t), 2)]
```

a. [2, 3, 9]
b. [1, 2, 4, 3, 8, 9]
c. [1, 4, 8]
d. (1, 4, 8)

Ques 16. What will be the output?

```python
numberGames = {}
numberGames[(1,2,4)] = 8
numberGames[(4,2,1)] = 10
numberGames[(1,2)] = 12
sum = 0
for k in numberGames:
    sum += numberGames[k]
print len(numberGames) + sum
```

a. 30
b. 24
c. 33
d. 12

Ques 17. What is the output when following code is executed ?

```python
str1 = 'hello'
str2 = ','
str3 = 'world'
str1[-1:]
```

a. olleh
b. hello
c. h

d. o

Ques 18. What arithmetic operators cannot be used with strings?
a. +
b. *
c. −
d. All of the mentioned

Ques 19. What is the output when following code is executed ?
```
print r"\nhello"
```
a. a new line and hello
b. \nhello
c. the letter r and then hello
d. error

Ques 20. Which function overloads the // operator?
a. __div__()
b. __ceildiv__()
c. __floordiv__()
d. __truediv__()