

Assignments **Take Test: Python Mid Term**

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Test Information

Description Python midterm test.

Instructions

Timed Test This test has a time limit of 1 hour and 30 minutes. You will be notified when time expires, and you may continue or submit. Warnings appear when **half the time, 5 minutes, 1 minute, and 30 seconds** remain.

Multiple Attempts Not allowed. This test can only be taken once.

Force Completion This test can be saved and resumed later. The timer will continue to run if you leave the test.

Remaining Time: 46 minutes, 11 seconds.

❖ **Question Completion Status:**

Saving All Answers

Save and Submit

QUESTION 1

5 points

Saved

What gets printed?

```
name = "snow storm"
```

```
name[5] = 'X'
```

```
print name
```

☐ snowXstorm

- ☐ snow Xstorm
- ☐ A single space will be printed
- ☒ Syntax Error, this code will not run
- ☐ snow storm

QUESTION 2**5 points****Saved**

What gets printed with the following code?

```
def f(): pass  
print type(f())
```

- ☐ <type 'str'>
- ☒ <type 'NoneType'>
- ☐ <type 'tuple'>
- ☐ <type 'type'>
- ☐ <type 'function'>

QUESTION 3**5 points****Saved**

What gets printed?

```
foo = {1:'1', 2:'2', 3:'3'}  
del foo[1]  
foo[1] = '10'  
del foo[2]  
print len(foo)
```

- ☐ 4
- ☐ 1
- ☒ 2
- ☐ An exception is thrown
- ☐ 3

QUESTION 4**5 points****Saved**

What gets printed?

```
x = True
```

```
y = False
```

```
z = False
```

```
if x or y and z:
```

```
    print "yes"
```

```
else:
```

```
    print "no"
```

- ☐ Fails to compile
- ☐ No
- ☐ Null
- ☒ Yes

QUESTION 5

5 points**Saved**

Which of the following is not a valid assignment operator?

- ☒ *=
- ☐ +=
- ☐ -=
- ☐ x=

QUESTION 6

5 points**Saved**

What gets printed?

```
counter = 1
```

```
def doLotsOfStuff():
```

```
    global counter
```

```
    for i in (1, 2, 3):
```

```
        counter += 1
```

```
doLotsOfStuff()
```

```
print counter
```

- ☐ 3
- ☐ None of the above
- ☒ 4
- ☐ 7
- ☐ 2

QUESTION 7**5 points****Saved**

In Python, what is one function to output content to the console?

- ☐ output
- ☐ echo
- ☒ print
- ☐ console.log

QUESTION 8**5 points****Saved**

What is the proper way to open a file that you plan to write to?

- ☒ `f = open("test.txt", "w")`
- ☐ `f = open("test.txt", "write")`
- ☐ `f = open("write", "test.txt")`
- ☐ `f = open("w", "test.txt")`

QUESTION 9**5 points****Saved**

What should the below code print?

```
print type(1j)
```

- ☐ `<type 'unicode'>`
- ☐ `<type 'float'>`
- ☒ `<type 'complex'>`
- ☐ `<type 'int'>`
- ☐ `<type 'dict'>`

QUESTION 10**5 points****Saved**

What gets printed?

```
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
```

☒ 33

☐ 8

☐ 12

☐ 24

☐ 30

QUESTION 11**5 points****Saved**

What gets printed?

```
def dostuff(param1,**param2):
```

```
    print type(param2)
```

```
dostuff('capitals',  
Arizona='Phoenix', California='Sacramento',  
Texas='Austin')
```

☒ dict

☐ An exception is thrown.

☐ tuple

☐ Arizona='Phoenix'

☐ Arizona: Phoenix

QUESTION 12**5 points****Saved**

What gets printed?

```
x = True
```

```
y = False
```

```
z = False
```

```
if not x or y:
```

```
    print 1
```

```
elif not x or not y and z:
```

```
    print 2
```

```
elif not x or y or not y and x:
```

```
    print 3
```

```
else:
```

```
    print 4
```

☐ 4

☐ 2

☐ 1

☒ 3

QUESTION 13**5 points****Saved**

```
def dostuff(param1,*param2):
```

```
    print type(param2)
```

```
dostuff('apples', 'bananas', 'cherry', 'dates')
```

☐ applesbananascherrydates

☐ str

☒ tuple

☐ An exception is thrown

☐ list

QUESTION 14**5 points****Saved**

What gets printed? (Assuming python version 2.x)

```
print type(1/2)
```

- ☐ <type 'double'>
- ☐ <type 'tuple'>
- ☐ <type 'float'>
- ☒ <type 'int'>
- ☐ <type 'number'>

QUESTION 15**5 points****Saved**

What gets printed?

```
class parent:
```

```
    def __init__(self, param):
```

```
        self.v1 = param
```

```
class child(parent):
```

```
    def __init__(self, param):
```

```
        self.v2 = param
```

```
obj = child(11)
```

```
print "%d %d" % (obj.v1, obj.v2)
```

- ☐ None None
- ☐ None 11
- ☒ Error is generated by program
- ☐ 11 11
- ☐ 11 None

QUESTION 16**5 points****Saved**

What gets printed?

```
boxes = {}  
jars = {}  
crates = {}  
  
boxes['cereal'] = 1  
boxes['candy'] = 2  
jars['honey'] = 4  
crates['boxes'] = boxes  
crates['jars'] = jars
```

```
print len(crates[boxes])
```

☒ An exception is thrown

☐ 7

☐ 4

☐ 2

☐ 1

QUESTION 17

5 points**Saved**

In Python, what is one function to output content to the console?

☐ 1. console.log

☒ 2. print

☐ 3. echo

☐ 4. output

QUESTION 18

5 points**Saved**

Which one of the following is a valid Python if statement

☐ if (a >= 22)

☐ if (a => 22)

☒ if a >= 22:

☐ if a >= 22

QUESTION 19**5 points****Saved**

Which numbers are printed?

```
for i in range(2):  
    print i
```

```
for i in range(4,6):  
    print i
```

- ☐ 0, 1, 2, 4, 5, 6
- ☒ 0, 1, 4, 5
- ☐ 1, 2, 4, 5, 6
- ☐ 0, 1, 4, 5, 6, 7, 8, 9
- ☐ 2, 4, 6

QUESTION 20**5 points****Saved**

If you had a statement like, "f = open("test.txt","w")", what would happen to the file as soon as that statement is executed?

- ☐ Nothing, unless the code following it writes to the file
- ☒ The file's contents will be erased
- ☐ Python will save the file's contents and append whatever the code following says to write.
- ☐ Nothing

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Saving All Answers

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