

Take Test: Quiz 6

Test Information

Description Please watch videos before taking the quiz

Instructions

Multiple Attempts This test allows multiple attempts.

Force Completion This test can be saved and resumed later.

QUESTION 1

1 points

 Saved

```
def is_even(number):
    if(number % 2) == 0:
        status = True
    else:
        status = False
    return status
```

This is a _____ function

- ☒ Boolean
- ☐ Binary
- ☐ True_False
- ☐ Logical

A function in Python can return more than one value:

- ☒ True
☐ False

QUESTION 3

1 points

✓ Saved

The Python standard library's _____ module contains numerous functions that can be used in mathematical calculations

- ☐ number
☒ math
☐ random
☐ string

QUESTION 4

1 points

✓ Saved

This statement causes a function to end and sends a value back to the part of the program that called the function

- ☒ return
☐ exit
☐ end
☐ send

QUESTION 5

1 points

✓ Saved

What do the following statements do?

```
x1 = random.randint(0,100)
```

x1 is type with a value
in the range

```
x2 = random.randrange(0,100)
```

x2 is type with a value
in the range

x3 is type with a value
in the range

x4 = random.random()

x4 is type with a value
in the range

QUESTION 6

1 points

✓ Saved

```
def mystery(x, y):  
    return x/y**2
```

function call:

mystery(4, 2)

- ☐ returns value **four** of numeric type **int**
- ☐ returns value **one** of numeric type **int**
- ☐ returns value **four** of numeric type **float**
- ☒ returns value **one** of numeric type **float**

QUESTION 7

1 points

✓ Saved

```
def double_it(in_var):  
    out_var = in_var * 2  
    return out_var
```

```
def a(b):  
    return b * 2
```

```
def double_that(var):  
    return var * 2
```

The three code segments above are functionally equivalent (ie, they will produce the same output given the same input):

- ☒ True
- ☐ False

QUESTION 8

1 points

✓ Saved

```
#double_it takes a value and returns the value doubled
def double_it(in_var):
    out_var = in_var * 2
    return out_var
```

Which are valid function calls to function `double_it`

- (1) `answer = double_it()`
- (2) `answer = double_it(x)`
- (3) `answer = double_it(x,y)`

- ☐ None of them
- ☐ 2 and 3
- ☒ 2 only
- ☐ All of them

QUESTION 9

1 points

✓ Saved

Two students work on writing `is_divisible(x,y)` function and come up with these two versions

(A)

```
def is_divisible(x,y):
    return (x % y) == 0 and y != 0
```

(B)

```
def is_divisible(x,y):
    return y != 0 and (x % y) == 0
```

function call

Version A

Version B

`is_divisible(10,2)`

True



True



False ▾

is_divisible(10,0)

False ▾

False ▾

QUESTION 10

1 points

✓ Saved

Which of the following function definitions have syntax errors?

```
def f()  
    return 10
```

syntax error ▾

```
def f():  
    return 10
```

no syntax error ▾

```
def f():  
return 10
```

syntax error ▾

```
def f():  
    x = 10  
    return x
```

syntax error ▾

```
def f():  
    x = 10  
    return x
```

no syntax error ▾

🚩 Question Completion Status:

Save All Answers

Save and Submit