

What is the output of each of the following Python commands?

1. 

---

```
len('programming') == len('programs')
```

---

- (a) True
- (b) False
- (c) Error
- (d) Null

2. 

---

```
Apple = True  
Orange = False  
print(Apple or (not Orange and 5 < 5.111))
```

---

- (a) False
- (b) True
- (c) Error
- (d) Null

3. 

---

```
for i in range(2):  
    print('French')  
    print('fries')
```

---

- (a) French  
Fries  
French  
Fries
- (b) French  
French  
French  
Fries

(c) French  
Fries  
Fries  
Fries

(d) French fries French fries

4.

---

```
if 55 < 66:  
    print('hola senor')  
    if 3 < 4.4:  
        print('i love math!')  
    else:  
        print('go bruins')  
print('ciao')
```

---

(a) hola senor  
i love math!  
go bruins  
ciao

(b) hola senor  
i love math!  
ciao

(c) hola senor  
go bruins

(d) i love math!  
ciao

5. Circle the error:

---

```
my_var = True  
if my_var:  
    output_var = 'python'  
    another_var = 'language'  
print(output_var + another_var)
```

---

6. Which are comparison operators used in boolean expressions? Select all that apply:

(a) ==

(b) !=

(c) ≥

(d) =

7. What is the output of the following program?

---

```
one = True
```

```
two = False
```

```
if one and two:
```

```
    print('a and b')
```

```
    if one:
```

```
        print('a')
```

```
        if two:
```

```
            print('b')
```

```
else:
```

```
    print('not a and b')
```

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