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## Exam overview

**Exam:** PCAP-31-0x

**Exam Name:** PCAP™ – Certified Associate in Python Programming

**Duration:** 65 Minutes

**Number of Questions:** 40

**Passing Score:** 70%

**Exam format:** Single- and multiple-select questions | Python 3.x

**Delivery Channel:** Pearson VUE: Authorized Pearson VUE Testing Centers + OnVUE Online Proctoring from Pearson VUE OpenEDG Testing Service: 2022 pilot, limited availability

<https://pythoninstitute.org/pcap>

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**QUESTION NO: 1**

What will be the value of the i variable when the while e loop finishes its execution?

```
i=0
while i !=0:
    i=i-1
else:
    i=i+1
```

- A.  
1
- B.  
0
- C.  
2
- D.  
the variable becomes unavailable

**Answer: A**

**Explanation:**

Your Code ...

```
1 i=0
2 while i !=0:
3     i=i-1
4 else:
5     i=i+1
6 print(i)
7
```

CommandLine Arguments ...

Stdin Inputs...

Result...

CPU Time: 0.00 sec(s), Memory: 6564 kilobyte(s)

1

QUESTION NO: 2

And operator able to perform bitwise shifts is coded as (Choose two.)

A.

--

B.

---

++

C.

<<

D.

>>

**Answer: C,D**

Reference: <https://www.geeksforgeeks.org/basic-operators-python/>

### QUESTION NO: 3

What will the value of the i variable be when the following loop finishes its execution?

```
for i in range (10):  
    pass
```

A.

10

B.

the variable becomes unavailable

C.

11

D.

9

**Answer: B**

Reference: <https://www.programiz.com/python-programming/pass-statement>

---

**QUESTION NO: 4**

The following expression

`1+-2`

is:

- A. equal to 1
- B. invalid
- C. equal to 2
- D. equal to -1

**Answer: D**

**Explanation:**



```
8 print (1+-2)
-1
...Program finished with exit code 0
Press ENTER to exit console.
```

**QUESTION NO: 5**

A compiler is a program designed to (Choose two.)

- 
- A. rearrange the source code to make it clearer
  - B. check the source code in order to see if it's correct
  - C. execute the source code
  - D. translate the source code into machine code

**Answer: B,D**

**Explanation:**

#### QUESTION NO: 6

What is the output of the following piece of code?

```
a= 'ant'  
b= "bat"  
c= 'camel'  
print (a, b, c, sep= "")
```

- A. ant' bat' camel
- B. ant"bat" camel
- C. antbatcamel

---

D.

print (a, b, c, sep= ' " ')

**Answer: B**

**Explanation:**

```
8 a= 'ant'
9 b= 'bat'
10 c= 'camel'
11 print (a, b, c, sep= ' " ')
```

ant"bat"camel

...Program finished with exit code 0  
Press ENTER to exit console. □

**QUESTION NO: 7**

What is the expected output of the following snippet?

---

```
i=5
while i>0:
    i=i //2
    if i % 2=0:
        break
else:
    i+=1
print (i)
```

A.  
the code is erroneous

B.  
3

C.  
7

D.  
15

**Answer: A**

**Explanation:**

**QUESTION NO: 8**

How many lines does the following snippet output?



---

```
for i in range (1, 3):  
    print (“*”, end= “”)  
else:  
    print (“*”)
```

- A.  
three
- B.  
one
- C.  
two
- D.  
four

**Answer: B**  
**Explanation:**

**QUESTION NO: 9**

Which of the following literals reflect the value given as 34.23? (Choose two.)

- A.  
.3423e2
- B.  
3423e-2
- C.  
.3423e-2
- D.

3423e2

Answer: A,B

Explanation:

```
9 print(.3423e2)
10 print(3423e-2)
```

34.23  
34.23

...Program finished with exit code 0  
Press ENTER to exit console.

QUESTION NO: 10

What is the expected output of the following snippet?

```
a=2
if a>0:
    a+=1
else:
    a-=1
print(a)
```

A.