

Certified Associate in Python Programming

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Question 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
```

Options:

- 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 2

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

Options:

A. --

B. ++

C. <<;

D. >>;

Answer: C, D

Explanation:

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

Question 3

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

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

Options:

A. 10

B. the variable becomes unavailable

C. 11

D. 9

Answer: B

Explanation:

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

Question 4

The following expression

1+-2

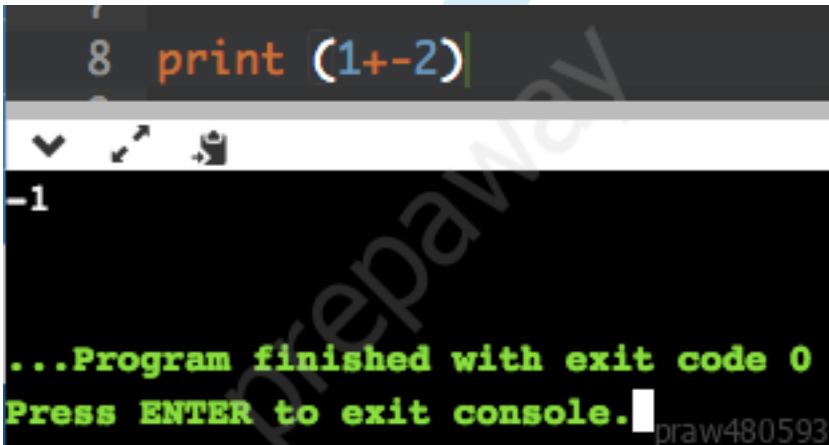
is:

Options:

- 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 5

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

Options:

- 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

Question 6

What is the output of the following piece of code?

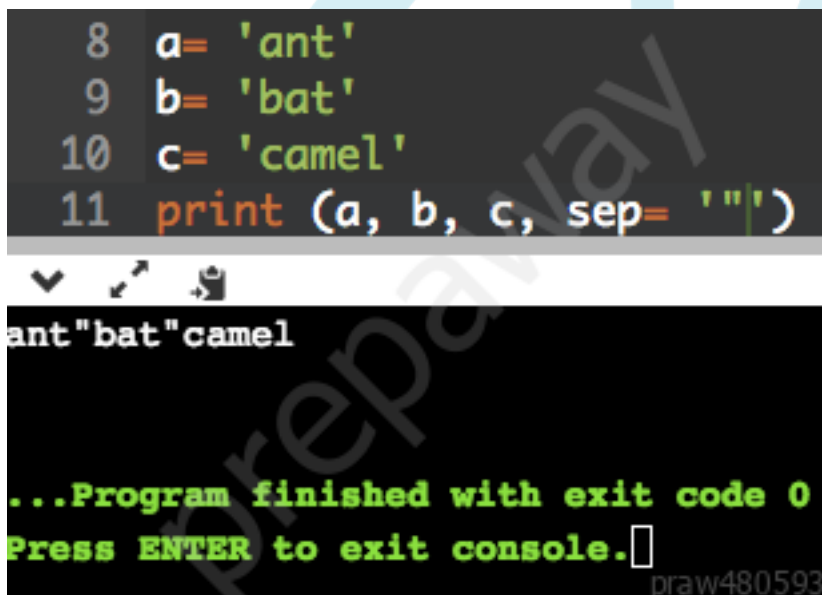
```
a= 'ant'  
b= "bat"  
c= 'camel'  
print (a, b, c, sep= '')
```

Options:

- A. ant' bat' camel
- B. ant"bat" camel
- C. antbatcamel
- D. print (a, b, c, sep= ' ')

Answer: B

Explanation:



The image shows a screenshot of a Python code editor with the following code:

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

Below the code editor, the terminal output is shown:

```
ant"bat"camel  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

The output shows that the strings are concatenated with double quotes around each, resulting in "ant"bat"camel. The terminal also shows the program finished with exit code 0 and a prompt to press ENTER to exit the console.

Question 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)
```

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Options:

- A. the code is erroneous
- B. 3
- C. 7
- D. 15

Answer: A

Question 8

How many lines does the following snippet output?

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

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Options:

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

Answer: B

Question 9

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

Options:

- 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 10

What is the expected output of the following snippet?

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

Options:

- A. 3
- B. 1
- C. 2
- D. the code is erroneous

Answer: A

Explanation:

```
9  a=2
10 if a>0:
11     a+=1
12 else:
13     a-=1
14 print(a)
```

3

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

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