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PP2 FinalEx V1

17, 7 May 2023

This test has 25 questions. Each question equals 4 points. As a result, you will get a score on a hundred-point scale, in order to convert to points according to KBTU standards, you must multiply by 0.4.

© 90 minutes Total: 100 Points

- * Required
- * This form will record your name, please fill your name.

1.	Where is the variable created correctly? * We are asking about an answer option that will when starting the project * (4 Points)		
	\bigcirc	int num = 2	
	\bigcirc	No suitable option	
	\bigcirc	num = float(2)	
	\bigcirc	var num = 2	
	\bigcirc	\$num = 2	
2.	x = num	at will be the result of this code? 23 a = 0 if x > 10 else 11 t(num) * (4 Points)	
	\bigcirc	0	
	\bigcirc	23	
	\bigcirc	10	

error

not give an error

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> 3. What will this code show? for j in 'Hi! I\'m mister Robert': if j == '': print("Found") break else: \ print ("Done") * (4 Points) An error in the code "Found" and "Done" Found Done 4. How many libraries can be imported into one project? * (4 Points) No more than 3 Unlimited amount No more than 10 No more than 5

5. Which library is responsible for the time? * (4 Points)	
○ time	
Olocaltime	
Clock	
Time	
6. Which function prints something to the console? * (4 Points)	
write()	
O log()	
out()	
print()	
7. What will be shown as a result? name = "John" name(0)	
print('Hi, %s' % name) * (4 Points)	
○ "Hi, name"	
○ "Hi, "	
○ "Hi, John"	
Error	

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8. How to get	t data from user? * (4 Points	;)
Use the	e input() method	
Use the	e get() method	
Use the	e cin() method	
O Use the	e read() method	
<pre>9. What are the errors in the code below? def factorial(n): if n == 0: return 1 else: return n * factorial(n - 1) print(factorial(5)) * (4 Points)</pre>		
	ion cannot call itself	
Return	type must be specified	
The fur	nction will always return 1	
There a	are no errors in the code	

10. What will this code show? for i in range(5): if i % 2 == 0: continue print(i) * (4 Points) Error because i is not assigned Error due to invalid output Numbers: 1 and 3 Numbers: 1, 3 and 5 Numbers: 0, 2 and 4

11. a = 3for i in range(4): a += aWill there be an answer? * (4 Points) 48 52 12

96

12.	The	while loop is called: * (4 Points)
	\bigcirc	There is no correct answer
	\bigcirc	Loop with postcondition
	\bigcirc	Loop with precondition
	\bigcirc	Loop with parameter
13.	How	w many times will the loop run for k in range(7,12): * (4 Points)
13.	How	
13.	How	for k in range(7,12): * (4 Points)
13.	How	for k in range(7,12): * (4 Points)
13.	How	for k in range(7,12): * (4 Points) 4 3

14. What will be the value of the integer variable "a" after the execution of this program fragment?

a = 4

for i in range(5):

a += i * (4 Points)

- 14
- 20
- 10
- 15. Сколько раз исполнится цикл:

i=4

while i<10:

i=i+3 * (4 Points)

- 10

16.	What is the name of the algorithms containing the repetition	1
	construction? * (4 Points)	

branching

Cyclic

Линейные

Рекурсивные

17. There is a tuple of the form T = (4, 2, 3). Which operation will cause the name T to refer to a tuple (1, 2, 3)? * (4 Points)

T[0] = 1

T = (1) + T[1:]

T = (1,) + T[1:]

T.startswith(1)

18. What is the built-in function enumerate() used in Python for? * (4 Points)

For simultaneous iteration over the elements themselves and their indices.

To determine the number of elements in a sequence.

To sort elements by id values.

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19.	vers def	at will the interpreter output for the following program (Python sion 3.6+)? get_name_and_decades(name, age): print(f"My name is {name} and I'm {age / 10:.5f} decades old.") _name_and_decades("Leo", 31) * (4 Points)
	\bigcirc	My name is Leo and I'm 31.00000 decades old.
	\bigcirc	My name is Leo and I'm 3.1 decades old.
	\bigcirc	My name is {name} and I'm {age / 10:.5f} decades old.
	\bigcirc	My name is Leo and I'm 3.10000 decades old.
20.	adv	necessary to collect and display all unique words from a line of ertising text. Which of the following Python data types is the best * (4 Points)
	\bigcirc	set
	\bigcirc	list
	\bigcirc	tuple
	\bigcirc	array
	\bigcirc	dict

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21. Recording of animals in the zoo is carried out using the list of dictionaries below. Which line of code will output a structure sorted in ascending order of animal ages?

```
animals = [ {'type': 'penguin', 'name': 'Stephanie', 'age': 8},
 {'type': 'elephant', 'name': 'Devon', 'age': 3},
 {'type': 'puma', 'name': 'Moe', 'age': 5}, ] * (4 Points)
```

- orted(animals, key='age')
- sorted(animals, key=lambda animal: animal['age'])
- Neither option is correct, two dictionaries cannot be compared with each other.
- orted(animals)
- 22. What will be the output of the following code? def f(a, *pargs, **kargs): print(a, pargs, kargs) f(1, 2, 3, x=4, y=5) * (4 Points)
 - 1, 2, 3, {'x': 4, 'y': 5}
 - 1 (2, 3) {'x': 4, 'y': 5}
 - An exception will be thrown, after the colon it is necessary to go to a new line.
 - 1, 2, 3, 'x=4', 'y=5'
 - 1, 2, 3, 4, 5

23.	How	to list methods and attributes of x object? * (4 Points)
	\bigcirc	dir(x)
	\bigcirc	help(x)
	\bigcirc	info(x)
	\bigcirc	?x
24.	a, *	at will the following code display? b, c = [1, 2] t(a, b, c) * (4 Points)
	\bigcirc	[1] [] [2]
	\bigcirc	An exception will be thrown: there are fewer elements in the list than variables.
	\bigcirc	1 0 2
	\bigcirc	1 [] 2
25.		en declaring a class using the class statement, what is written in entheses after the class name? * (4 Points)

- - The names of the arguments accepted by the __init__ method.
 - The names of the arguments accepted by the class.
 - The names of the arguments accepted by the class.
 - Names of classes generated by this class.

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