

Section 1 Quiz- BASICS of Python

1. How power operator looks like in Python?

- a. *
- b. /
- c. //
- d. **

Correct Answer: Option d - **

2. 3 ** 3 is equal to

- a. 3
- b. 27
- c. 9
- d. 1

Correct Answer: Option b – 27

3. What type is used to store sequence of characters?

- a. int
- b. float
- c. string
- d. bool

Correct Answer: Option c – string

4. What type is variable:

```
sample = "True"
```

- a. bool
- b. string
- c. int
- d. float

Correct Answer: Option b – string

5.

```
name = "Arkadiusz"
```

What will you type in order to access the last element of **name**?

- a. name[1]
- b. name[0]
- c. name[-1]

Correct Answer: Option c – name[-1]

Section 2 Quiz- Functions and Libraries

1. When you write an instruction in your script that looks like that:

```
import math
```

then how will you refer to function that is within that is within library math that is called **sqrt**?

- a. math.sqrt
- b. sqrt
- c. Both answers above are correct

Correct Answer: Option a – math.sqrt

2.

```
test = input()
```

If the user types on input a number equal to 5 then what will be shown on output when you use below function:

```
print(test)
```

and what type of variable will **test** be?

- a. 5 – int
- b. '5' – str

Correct Answer – Option b – '5' – str

3. In order to change (cast) variable type from string to integer you need to use function that is called:
- a. float
 - b. str
 - c. int

Correct Answer: Option c – int

Section 3 Quiz- Conditional statements

1. The proper way to write conditional statement that checks if 5 is greater than 3 in Python is:
- a. if (5>3) then
 - b. if (5>3)
 - c. if (5>3);

Correct Answer: Option c – if (5>3);

2. `if (5 > 7):`
`print("first ")`
`print("second")`

What you will see on screen after compiling above code?

- a. first
- b. first second
- c. second
- d. nothing

Correct Answer: Option d – nothing

3. Which logical operator will give as a result True only if both expressions are True?

- a. or
- b. and
- c. not

Correct Answer: Option b – and

4. `a = 6`
`b = 2`
`if (a > 5 or b < 1):`
`print("ok")`

Will you see "ok" message?

- a. Yes
- b. No

Correct Answer: Option a – Yes

5. `if (-5):`
`print("will this message show up?")`

- a. Yes
- b. No

Correct Answer: Option a – Yes

Section 4 Quiz- Loops

1. Loop will execute instructions inside a loop while the condition of loop is true or if it meets break instruction.

- a. True
- b. False

Correct Answer: Option a – True

2. continue instruction is

- a. breaking the current iteration of loop and leaving the loop
- b. breaking the current iteration of loop but continuing the loop

Correct Answer: Option b – breaking the current iteration of loop but continuing the loop

3. `for i in range(4):`
`print(i)`

What will be the last value printed on output?

- a. 3
- b. 4
- c. 5
- d. 0

Correct Answer: Option a – 3

Section 5 Quiz- Lists

1. `numbers = [4, 2, 1, 7, 12, 8]`
`print(numbers[3])`

What is the result of above code?

- a. 1
- b. 7
- c. 12

Correct Answer: Option b – 7

2. `list = [2, 36, 12, 7]`

What should you write in order to print on screen 2-nd element of list?

- a. `print(list[2])`
- b. `print(list[1])`
- c. `print(list[3])`

Correct Answer: Option b – `print(list[1])`

3. `list = [1, 25, 4, 1, "a"]`

Which of below answers will give an "error"?

- a. `print(list[4])`
- b. `print(list[3])`
- c. `print(list[5])`

Correct Answer: Option c – `print(list[5])`

4. `list = [1, 3, 15, -5, 152]`

Change value 152 to 10

- a. `list[4] = 10`

- b. `list[3] = 10`
- c. `list[5] = 10`

Correct Answer: Option a – `list[4] = 10`

5. What is the result of below code?

```
numbers = [12, 6, 2, -5, 4]
numbers[1] = numbers[3] - 10
print(numbers[1])
```

- a. -8
- b. -15
- c. -6

Correct Answer: Option b - -15

6. What will be returned by below code?

```
names = ["Arkadiusz", "Wojtek", "Karol", "Adrian"]
if "Arkadiusz" not in names:
    print("not in")
else:
    print("in")
```

- a. not in
- b. in

Correct Answer: Option b – in

7. Which method will you use to append the new element to the end of list?

- a. `append`
- b. `insert`
- c. `len`

Correct Answer: Option a – `append`

8. What is the result of below code?

```
numbers = [2, 5, 2, 10, 15, 6]
numbers.insert(3,11)
numbers.append(4)
print(len(numbers))
```

- a. 10
- b. 8
- c. 9

d. 11

Correct Answer: Option b – 8

Section 8 Quiz- Functions

1. In order to define a function in Python you write:

- a.

```
function nameOfFunction()
{
    //body of function
}
```
- b.

```
def name_of_function():
    #body of function
```

Correct Answer: Option b –

```
def name_of_function():
    #body of function
```

2. What will you write to invoke a function called **get_value**?

- a. `get_value`
- b. `get_value()`
- c. `call get_value()`
- d. `call get_value`

Correct Answer: Option b – `get_value()`

3. How many arguments are passed to a function called "range"

```
step = 4
range(3, 24, step)
```

- a. 4
- b. 3
- c. 2
- d. 1

Correct Answer: Option b – 3

4. What is the last text that is gonna be shown by below function when it's gonna be invoked?

```
def show():  
    print("sample")  
    print("hello")  
    return  
    print("world")  
    print("is gone")
```

- a. sample
- b. hello
- c. world
- d. is gone

Correct Answer: Option b – hello

5.

```
def is_equal(arg1, arg2):  
    if (arg1 == arg2):  
        return True  
    return False  
is_equal(54,23);
```

What is gonna be returned by above function after it's invoked?

- a. False
- b. True

Correct Answer: Option a – False