

Python Placement Test

KAUST Pre-University Program

Name: _____

Date: _____

Instructions

All questions are multiple choice. Choose the best answer for each. Total time: **30 minutes**.

Part 1: Multiple Choice Questions

1. What is the correct way to print "Hello, World!" in Python?
 - A) `echo("Hello, World!")`
 - B) `print("Hello, World!")`
 - C) `printf("Hello, World!")`
 - D) `print Hello, World!`
2. What is the output of this code? `x = 5; x = x + 3; print(x)`
 - A) 5
 - B) 3
 - C) 8
 - D) Error
3. Which is a valid Python variable name?
 - A) `2value`
 - B) `value_2`
 - C) `value-2`
 - D) `value 2`
4. What is the result of `print(10 // 3)`?
 - A) 3.33
 - B) 3
 - C) 4
 - D) Error
5. Which keyword is used to make a decision in Python?
 - A) `check`
 - B) `if`
 - C) `loop`

D) `test`

6. Which function is used to get input from the user in Python?

A) `input()`

B) `get()`

C) `scan()`

D) `read()`

7. Which of the following returns the number of items in a list called `items`?

A) `count(items)`

B) `items.len()`

C) `length(items)`

D) `len(items)`

8. What keyword is used to define a function in Python?

A) `define`

B) `func`

C) `def`

D) `function`

9. What will this code print?

```
for i in range(3):  
    print("Hi", i)
```

A) Hi 1 Hi 2 Hi 3

B) Hi Hi Hi

C) Hi 0 Hi 1 Hi 2

D) Hi 3 times

10. What is the output of the following code?

```
def greet(name):  
    return "Hello " + name
```

```
print(greet("Ali"))
```

A) Hello

B) Ali Hello

C) `greet("Ali")`

D) Hello Ali

11. What will this code output?

```
x = [1, 2, 3]  
print(x[3])
```

A) 3

- B) Error
- C) 0
- D) None

12. What does this code do?

```
def add(x, y=2):  
    return x + y  
  
print(add(3))
```

- A) Adds 3 and 2
- B) Error due to missing argument
- C) Adds 2 and 2
- D) Returns x without change

13. Which of the following best describes a Python list?

- A) A fixed-size collection of values
- B) An immutable group of characters
- C) A changeable, ordered collection
- D) A numeric array only

14. Which line creates a list of numbers from 1 to 10?

- A) `range(1,10)`
- B) `list(range(1,11))`
- C) `[1:10]`
- D) `numbers(1,10)`

15. What is the correct way to write a function that returns the larger of two values?

- A) `return max(x, y)`
- B) `if x > y: return x else: return y`
- C) `print(x > y)`
- D) `larger(x, y)`