

Weekly Test-1

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Full Name *

0 points

Your answer

1. What is the data type of the following variable?

1 point

x = 10

- ☐ A) float
- ☐ B) int
- ☐ C) str
- ☐ D) bool

2. What will be the output of the following code?

1 point

x = 5.5
print(type(x))

- ☐ A) int
- ☐ B) float
- ☐ C) str
- ☐ D) bool



3. What will be the output of the following code?

1 point

```
x = "Hello"  
y = 10  
print(type(x) == type(y))
```

- ☐ A) True
- ☐ B) False
- ☐ C) None
- ☐ D) Error

4. What is the correct way to declare a string in Python?

1 point

- ☐ A) x = 'Hello'
- ☐ B) x = "Hello"
- ☐ C) x = ""Hello""
- ☐ D) All of the above

5. What will be the output of the following code?

1 point

```
a = True  
b = False  
print(a + b)
```

- ☐ A) 1
- ☐ B) 0
- ☐ C) True
- ☐ D) False



6. What is the default data type of a variable assigned with a numeric value containing a decimal point? 1 point

- ☐ A) int
- ☐ B) float
- ☐ C) double
- ☐ D) complex

7. What will be the output of the following code? 1 point

```
x = 3 + 4j  
print(type(x))
```

- ☐ A) int
- ☐ B) float
- ☐ C) complex
- ☐ D) str

8. What will be the output of the following code? 1 point

```
x = "10"  
y = 2  
print(x * y)
```

- ☐ A) 20
- ☐ B) 1010
- ☐ C) 12
- ☐ D) Error



9. Which of the following is a valid variable name in Python?

1 point

- ☐ A) 2var
- ☐ B) @var
- ☐ C) var_name
- ☐ D) _var

10. What will be the output of the following code?

1 point

```
x = None  
print(type(x))
```

- ☐ A) str
- ☐ B) int
- ☐ C) bool
- ☐ D) NoneType

11. What is the output of `bool("")` in Python?

1 point

- ☐ A) True
- ☐ B) False
- ☐ C) None
- ☐ D) Error



12. Which of the following is an immutable data type?

1 point

- ☐ A) list
- ☐ B) tuple
- ☐ C) dictionary
- ☐ D) set

13. Which of the following statements correctly defines a variable in Python? 1 point

- ☐ A) `x : int = 10`
- ☐ B) `x = 10`
- ☐ C) `x, y = 5, "hello"`
- ☐ D) All of the above

14. What is the correct syntax for defining a constant variable in Python?

1 point

- ☐ A) `const PI = 3.14`
- ☐ B) `PI = 3.14`
- ☐ C) `PI = 3.14 # In uppercase to indicate a constant`
- ☐ D) `define PI 3.14`



15. What will be the output of `type([])` in Python?

1 point

- ☐ A) list
- ☐ B) tuple
- ☐ C) dict
- ☐ D) set

16. What will be the output of the following code?

1 point

```
x = 10  
y = 10.5  
print(type(x + y))
```

- ☐ A) float
- ☐ B) int
- ☐ C) str
- ☐ D) complex



17. What will be the output of the following code?

1 point

```
x = "5"
```

```
y = 2
```

```
print(x + str(y))
```

- ☐ A) 7
- ☐ B) "52"
- ☐ C) Error
- ☐ D) "25"

18. What will be the output of `type({})` in Python?

1 point

- ☐ A) list
- ☐ B) dict
- ☐ C) set
- ☐ D) tuple

19. Which of the following is not a valid Python data type?

1 point

- ☐ A) list
- ☐ B) dictionary
- ☐ C) array
- ☐ D) char



20. What will be the output of the following code?

1 point

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

- ☐ A) tuple
- ☐ B) dict
- ☐ C) list
- ☐ D) set

21. Which of the following statements is correct about Python variables?

1 point

- ☐ A) Variables must be declared before use.
- ☐ B) Variables do not need explicit declaration.
- ☐ C) Variable type must be defined before assignment.
- ☐ D) Python does not support variables.

22. What will be the output of `type(set())`?

1 point

- ☐ A) set
- ☐ B) dict
- ☐ C) list
- ☐ D) tuple



23. What is the output of the following code?

1 point

```
x = (1,)
print(type(x))
```

- ☐ A) list
- ☐ B) tuple
- ☐ C) set
- ☐ D) int

24. What is the default data type of a variable assigned with a boolean value? 1 point

- ☐ A) int
- ☐ B) bool
- ☐ C) str
- ☐ D) float

25. What will be the output of the following code?

1 point

```
x = "Hello"
y = 'Hello'
print(x == y)
```

- ☐ A) True
- ☐ B) True
- ☐ C) False
- ☐ D) Error



26. What is the type of range(10) in Python?

1 point

- ☐ A) list
- ☐ B) tuple
- ☐ C) range
- ☐ D) generator

27. What will be the output of type({1, 2, 3})?

1 point

- ☐ A) set
- ☐ B) dict
- ☐ C) list
- ☐ D) tuple

28. What will be the output of type(True + 5)?

1 point

- ☐ A) int
- ☐ B) float
- ☐ C) bool
- ☐ D) str



29. Which of the following is a mutable data type?

1 point

- ☐ A) tuple
- ☐ B) list
- ☐ C) string
- ☐ D) int

30. What is the correct way to delete a variable in Python?

1 point

- ☐ A) drop var_name
- ☐ B) del var_name
- ☐ C) delete var_name
- ☐ D) remove var_name

31. What will be the output of the following code?

1 point

```
x = "Python"  
print(len(x))
```

- ☐ A) 6
- ☐ B) 5
- ☐ C) Error
- ☐ D) None



32. Which of the following is used to check the data type of a variable?

1 point

- ☐ A) checktype()
- ☐ B) typeof()
- ☐ C) type()
- ☐ D) datatype()

33. What will be the output of `type(10/2)` in Python?

1 point

- ☐ A) int
- ☐ B) float
- ☐ C) double
- ☐ D) complex

34. What will be the output of the following code?

1 point

```
x = {1, 2, 3, 3, 2}
print(len(x))
```

- ☐ A) 5
- ☐ B) 3
- ☐ C) 2
- ☐ D) 4



35. Which of the following is true for Python lists?

1 point

- ☐ A) Lists are immutable
- ☐ B) Lists are mutable
- ☐ C) Lists store only numeric values
- ☐ D) Lists store only string values

36. What is the data type of the variable x in the following code?

1 point

```
x = (1, 2, "hello", 4.5)
```

- ☐ A) list
- ☐ B) tuple
- ☐ C) set
- ☐ D) dict

37. What will be the output of the following code?

1 point

```
x = 5
```

```
y = "Hello"
```

```
print(str(x) + y)
```

- ☐ A) "5Hello"
- ☐ B) 5"Hello"
- ☐ C) Error
- ☐ D) None



38. What is the result of the following code?

1 point

```
x = 3.0
```

```
y = int(x)
```

```
print(y)
```

- ☐ A) 3.0
- ☐ B) 3
- ☐ C) Error
- ☐ D) None

39. Which of the following statements is true?

1 point

- ☐ A) Tuple is mutable
- ☐ B) Dictionary keys must be unique
- ☐ C) List keys must be unique
- ☐ D) Set allows duplicate values



40. What will be the output of the following code?

1 point

```
x = [1, 2, 3]
```

```
y = x
```

```
y.append(4)
```

```
print(x)
```

- ☐ A) [1, 2, 3]
- ☐ B) [1, 2, 3, 4]
- ☐ C) Error
- ☐ D) None

41. What will be the output of the following code?

1 point

```
x = (1, 2, 3)
```

```
x[0] = 4
```

- ☐ A) Error
- ☐ B) (4, 2, 3)
- ☐ C) (1, 2, 3)
- ☐ D) None



42. What will be the output of `type({})` in Python?

1 point

- ☐ A) set
- ☐ B) dict
- ☐ C) tuple
- ☐ D) list

43. What will be the output of the following code?

1 point

```
x = 10  
print(isinstance(x, int))
```

- ☐ A) True
- ☐ B) False
- ☐ C) Error
- ☐ D) None

44. What will be the output of the following code?

1 point

```
x = "Python"  
print(x[0])
```

- ☐ A) n
- ☐ B) P
- ☐ C) Error
- ☐ D) None



45. Which of the following is a valid dictionary declaration?

1 point

- ☐ A) `x = ["name": "Alice", "age": 25]`
- ☐ B) `x = [1, 2, 3]`
- ☐ C) `x = {"name": "Alice", "age": 25}`
- ☐ D) `x = (1, 2, 3)`

46. What will be the output of the following code?

1 point

```
x = "Python"  
print(x[-1])
```

- ☐ A) n
- ☐ B) Error
- ☐ C) P
- ☐ D) None

47. What will be the output of the following code

1 point

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

- ☐ A) `[1, 2, 3, 1, 2, 3]`
- ☐ B) `[1, 2, 3, 6]`
- ☐ C) Error
- ☐ D) None



48. What will be the output of `bool("False")` in Python?

1 point

- ☐ A) True
- ☐ B) False
- ☐ C) None
- ☐ D) Error

49. What will be the output of `type([]) == type({})`?

1 point

- ☐ A) False
- ☐ B) True
- ☐ C) Error
- ☐ D) None

50. What will be the output of the following code?

1 point

```
x = [1, 2, 3]
y = x.copy()
y.append(4)
print(x)
```

- ☐ A) [1, 2, 3]
- ☐ B) [1, 2, 3, 4]
- ☐ C) Error
- ☐ D) None



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