Types Worksheet

March 1, 2025

1. What type is **True**?
   (A) Boolean
   (B) Integer
   (C) String
   (D) Float

2. What is **type("False")**?
   (A) bool
   (B) int
   (C) str
   (D) float

3. What type is **"3.14"**?
   (A) Float
   (B) Integer
   (C) String
   (D) Boolean

4. What does **"5" + "2"** produce?
   (A) 7
   (B) "52"
   (C) Error
   (D) 10

5. What is **bool("0")**?
   (A) False
   (B) True
   (C) 0
   (D) Error

6. What type is **str(True)**?
   (A) Boolean
   (B) Integer
   (C) String
   (D) Float

7. What does **input()** return if you type *Hello*?
   (A) String
   (B) Error
   (C) Boolean
   (D) Integer

8. What is **"123" == 123**?
   (A) True
   (B) False
   (C) Error
   (D) Maybe

9. What does **bool("False")** return?
   (A) False
   (B) True
   (C) "False"
   (D) Error

10. What is **type("42" * 2)**?
    (A) Integer
    (B) String
    (C) Error
    (D) List

11. What does **"100" + 25** produce?
    (A) 125
    (B) "10025"
    (C) Error
    (D) "125"

12. What is **bool("")**?
    (A) True
    (B) False
    (C) ""
    (D) Error

13. What does **"5" + 3** produce?
    (A) 8
    (B) "53"
    (C) **TypeError**
    (D) "8"

14. What is **"10" - 5**?
    (A) 5
    (B) "5"
    (C) **TypeError**
    (D) "10-5"

15. What is **"7" * 2**?
    (A) "77"
    (B) 14
    (C) **TypeError**
    (D) "7272"

16. What does **15 / "3"** produce?
    (A) 5.0
    (B) "5"
    (C) **TypeError**
    (D) 5

17. Why does **print("Hi" + 5)** crash?
    (A) Missing quotes
    (B) **TypeError (str + int)**
    (C) SyntaxError
    (D) "Hi5"

18. What is **"5" + str(2)**?
    (A) 7
    (B) **"52"**
    (C) TypeError
    (D) "25"

19. What does **"12.5" * 2** produce?
    (A) 25.0
    (B) "25"
    (C) **"12.512.5"**
    (D) SyntaxError

20. What error does **print("100" - 50)** raise?
    (A) SyntaxError
    (B) **TypeError**
    (C) ValueError
    (D) "50"

21. What is **"Hello" * "2"**?
    (A) "HelloHello"
    (B) 2
    (C) **TypeError**
    (D) "Hello2"

22. Why does **3 + "apples"** crash?
    (A) Missing quotes
    (B) **TypeError (int + str)**
    (C) Division by zero
    (D) "3apples"

23. What is **len(42)**?
    (A) 2
    (B) **TypeError**
    (C) 42
    (D) "42"

24. What does **"10" / 2** produce?
    (A) 5.0
    (B) "5"
    (C) **TypeError**
    (D) "10/2"

25. What is wrong with **if True print("Yes")**?
    (A) Missing quotes
    (B) **Missing colon (:) after True**
    (C) Wrong indentation
    (D) Nothing

26. What is **int("ten")**?
    (A) 10
    (B) "10"

(C) **ValueError**
(D) TypeError

27. What does **True + 5** evaluate to?
(A) 6
(B) **TypeError**
(C) True5
(D) 5

28. Why does **input("Number: ") * 2** fail if you type 5?
(A) Needs **int()**
(B) **TypeError**
(C) SyntaxError
(D) It works

29. What does **print(3 + "3")** produce?
(A) 6
(B) "33"
(C) **TypeError**
(D) 33

30. What is **True + False**?
(A) True
(B) **1**
(C) Error
(D) False

31. What does **print("10" * 2)** output?
(A) 20
(B) **"1010"**
(C) "20"
(D) TypeError

32. What is **bool(" ")**? (space inside quotes)
(A) False
(B) **True**
(C) Error
(D) " "

33. What does **print("5" + 2 * "2")** show?
(A) "522"
(B) **"5222"**
(C) 54
(D) TypeError

34. What is **7 + input()** if you type 3?
(A) 10
(B) "73"
(C) **TypeError**
(D) "10"

35. What is **not 0**?
(A) 1
(B) **True**
(C) False
(D) Error

36. What does **print("apple" >"banana")** output?
(A) True
(B) **False**
(C) Error
(D) Maybe

37. What is **len("2" * 3)**?
(A) 6
(B) **3**
(C) "222"
(D) TypeError

38. What happens with **"5" + 3**?
(A) Concatenates
(B) Adds numerically
(C) Creates a list
(D) Prints "53"

39. What does **print(10 - "5")** do?
(A) Subtracts 5
(B) Returns "5"
(C) Converts to float
(D) Crashes silently

40. What is **"3.14" * 2**?
(A) 6.28
(B) "6.28"
(C) "3.143.14"
(D) TypeError

41. Why does **len(42)** fail?
(A) Needs quotes
(B) 42 is too big
(C) Integers have no length
(D) Syntax error

42. What does **input() + 5** do if you type "5"?
(A) Returns 10
(B) Returns "55"
(C) Converts to integer
(D) Destroys the universe

43. What is **True + "1"**?
(A) 2
(B) "True1"
(C) Converts to string
(D) Explodes

44. What does **print("Hello" - "o")** output?
(A) "Hell"
(B) SyntaxError
(C) TypeError
(D) -1

45. What is **not "False"**?
(A) True
(B) False
(C) "True"
(D) SyntaxError

46. What is **"10" / 2**?
(A) 5.0
(B) "5"
(C) Divides characters
(D) Converts to float

47. What does **if 3 >"3": print("Yes")** do?
(A) Prints "Yes"
(B) Converts to int
(C) SyntaxError
(D) TypeError

48. What is **bool(print("Hi"))**?
(A) True
(B) False
(C) "Hi"
(D) None

49. What is **"7" ** 2**?
(A) 49
(B) "49"
(C) Repeats string
(D) SyntaxError

50. Why does **for i in 5: pass** crash?
(A) Missing range()
(B) 5 is not iterable
(C) Needs quotes
(D) Indentation error

51. What is **"9" + 9**?
(A) 18
(B) "99"
(C) Converts to float
(D) TypeError

52. What does **"5" == 5** evaluate to?
(A) True
(B) False
(C) Converts types
(D) SyntaxError

1. What is wrong with this code?

```
b = 4
a = b + c
print(a)
```

   (A) Missing variable
   (B) **Missing colon (:) after range(5)**
   (C) Wrong indentation
   (D) Nothing

2. The code crashes with: **TypeError: must be str, not int** Which line causes this error?

```
name = "Alex"
age = 10
print("Hello " + name + ", you are " + age)
```

   (A) Line 1 (`name = "Alex"`)
   (B) **Line 3 (can't add 'str' and 'int')**
   (C) Line 2 (`age = 10`)
   (D) SyntaxError in print()

3. What happens when running this code?

```
print = 4
print("Hello")
```

   (A) Prints "Hello"
   (B) Assigns 4 to 'print'
   (C) Converts 4 to a string
   (D) Creates a syntax error

4. Why does this code crash?

```
str = "5"
x = int(str)
print(x + 1)
```

   (A) 'str' is a string
   (B) Missing parentheses
   (C) Can't add 'x' and 1
   (D) 'int()' needs quotes

5. What is wrong with this code?

```
(print) ("Hello")
```

   (A) Extra parentheses
   (B) Space between 'print' and '('
   (C) Missing colon
   (D) Nothing

6. What does this code output?

```
input = 5
print(input("Enter a number: "))
```

(A) 5

(B) Asks for user input

(C) Extra parenthesis

(D) ‘input‘ is not a function

7. What error does this code raise?

```
a = 5 + (3 * 2)
b = (5 + 3 * 2
print(a + b)
```

(A) Missing ‘)‘ on line 2

(B) ‘a‘ is undefined

(C) ‘*‘ operator error

(D) ‘print‘ syntax error

8. What happens here?

```
def print(x):
    return x + 1
print(print(5))
```

(A) Prints 6

(B) Recursion error

(C) Overrides ‘print()‘

(D) Returns 6

9. Why does this code fail?

```
int = "10"
age = int(5.5)
```

(A) ‘int‘ is a string

(B) ‘5.5‘ is a float

(C) Missing quotes

(D) ‘age‘ is undefined