**50 Multiple-Choice Questions**

What is the output of print("Hello", "World", sep="-")?

a) Hello World

b) Hello-World

c) HelloWorld

d) Hello,World

Which of the following is NOT a valid data type in Python?

a) int

b) float

c) string

d) character

What is the data type of 10.5?

a) int

b) float

c) str

d) bool

Which data type is used to represent truth values?

a) int

b) float

c) str

d) bool

What will be the output of print(type([1, 2, 3]))?

a) &lt;class 'tuple'>

b) &lt;class 'list'>

c) &lt;class 'set'>

d) &lt;class 'dict'>

Which of the following is a valid variable name?

a) 1var

b) var1

c) var-1

d) var name

What is the value of b after the following code: a = 5; b = a; a = 10;?

a) 5

b) 10

c) 15

d) Error

Which of the following is an example of dynamic typing?

a) Declaring a variable with a specific data type (e.g., int x = 5;)

b) Changing the data type of a variable during the program's execution (e.g., x = 5; x = "hello";)

c) Not allowing variables to change their data type

d) Requiring explicit type casting for all operations

Which of the following is NOT a keyword in Python?

a) if

b) else

c) for

d) variable

Which of the following is a valid identifier?

a) my-var

b) 123var

c) my\_var

d) my var

What function is used to take user input in Python?

a) print()

b) input()

c) get()

d) read()

What type of value does the input() function return?

a) int

b) float

c) str

d) bool

What is the output of the following code: num1 = input("Enter a number: "); num2 = input("Enter another number: "); print(num1 + num2); if the user enters 5 and 10?

a) 15

b) 510

c) 5. 010.0

d) Error

Which function is used to convert a string to an integer?

a) str()

b) int()

c) float()

d) bool()

What will be the data type of result after the following operation: result = 5 + 5.5?

a) int

b) float

c) str

d) bool

Which type of type conversion is done automatically by Python?

a) Explicit

b) Implicit

c) Both

d) None

Which of the following is NOT true about type conversion?\

a) It can be used to convert a string to an integer.

b) It permanently changes the data type of a variable.

c) It can be done explicitly using functions like int() and str().

d) Python can perform implicit type conversion in some cases.

What is a literal in Python?]

a) A variable name

b) A function name

c) A raw value used in the program

d) A keyword

Which of the following is a string literal?\

a) 10

b) 3. 14

c) "hello"

d) True

What type of literal is 1.5e3?

a) Integer

b) Float

c) String

d) Complex

What is the value of result after the following: result = True + 5?

a) 5

b) 6

c) True5

d) Error

In Python, how is "false" represented numerically for calculations?

a) 1

b) -1

c) 0

d) None

Which of the following is NOT a valid numeric literal in Python?

a) 1010

b) 0b1010

c) 0o10

d) 0x1G

What will be the output of print(0o12)?

a) 12

b) 10

c) 2

d) Error

What will be the output of print(0x1A)?

a) 26

b) 1A

c) 16

d) Error

Which operator is used to assign a value to a variable?

a) ==

b) =

c) +

d) -

Which of the following is an example of multiple variable assignment?

a) x = 1, 2, 3

b) x, y, z = 1, 2, 3

c) x = y = z = [1, 2, 3]

d) All of the above

What will be the output of print(a, b, c) after a, b, c = 10, "hello", 3.14?\

a) 10 hello 3.14

b) 10, "hello", 3.14

c) Error

d) None of the above

Which of the following is NOT a characteristic of Python identifiers?

a) Case sensitive

b) Can start with a number

c) Can contain underscores

d) Cannot be a keyword

How many keywords are there in Python?

a) 27

b) 30

c) 32

d) 35

What will be the output of print(type(None))?

a) &lt;class 'None'>

b) &lt;class 'NoneType'>

c) None

d) null

Which data type is used to store a sequence of characters?

a) int

b) float

c) str

d) bool

What is the purpose of the end parameter in the print() function?

a) To specify the separator between the printed values

b) To specify what to print at the end of the line

c) To format the output

d) To print the output in reverse order

Which of the following data types is immutable?

a) list

b) dict

c) tuple

d) set

What is the output of print(5 + 2j)?

a) 7

b) 52j

c) 5 + 2j

d) Error

Which function is used to find the data type of a variable?

a) typeof()

b) type()

c) dtype()

d) gettype()

What is the output of print(bool(0))?

a) True

b) False

c) 0

d) 1

What is the output of print(bool(" "))?

a) True

b) False

c) " "

d) Error

Which of the following is a valid way to represent a binary literal?

a) 2b10

b) b'10'

c) 0b10

d) 10B

What is the output of print(10 // 3)?

a) 3.333

b) 3

c) 3.0

d) 4

Which operator is used for exponentiation in Python?

a) ^

b) \*

c) \*\*

d) pow()

What is the output of print(2 \*\* 3)?

a) 6

b) 8

c) 9

d) Error

Which operator has the highest precedence?

a) +

b) \*

c) \*\*

d) //