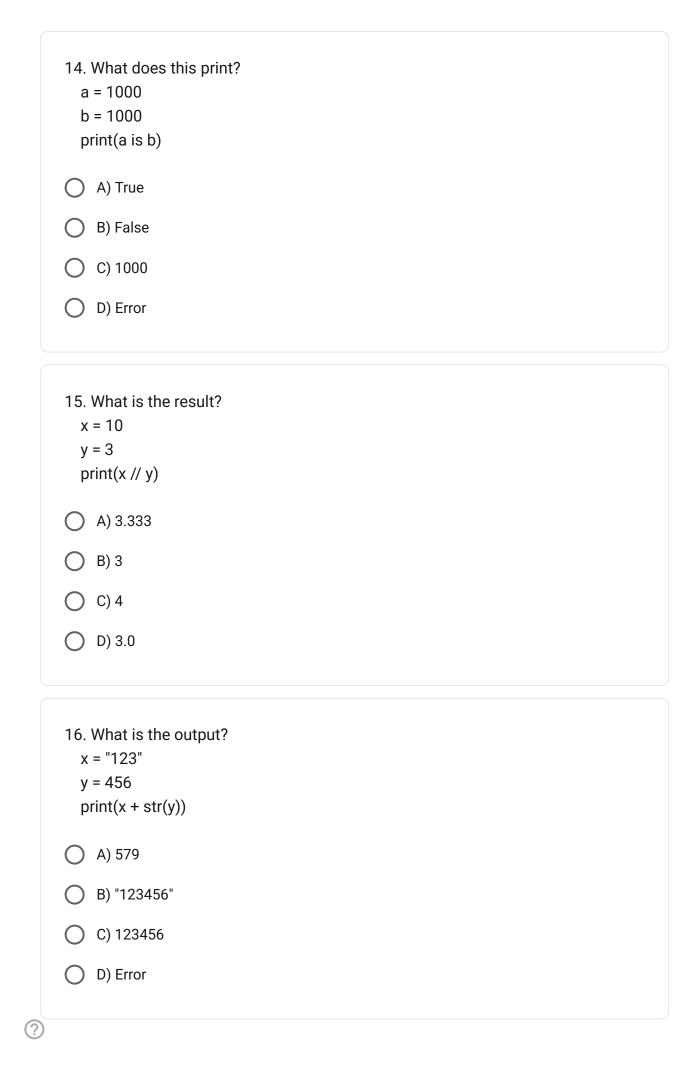# Quiz 1 - Programming with Pyhon

This is the first quiz for the Python programming course at AIMS Senegal.

lieumo.n.m.alida@aims-senegal.org Changer de compte

* Indique une question obligatoire

E-mail *

☐ Enregistrer **lieumo.n.m.alida@aims-senegal.org** comme adresse e-mail à joindre à ma réponse

1. What is the output?
   a = 5
   b = a
   a = 10
   print(b)

○ A) 5

○ B) 10

○ C) 15

○ D) None

?

2. What does this code print?

```
x = 10
x = x + 5.5
print(type(x))
```

○ A) <class 'int'>

○ B) <class 'float'>

○ C) <class 'str'>

○ D) Error

3. What is the result ?

```
a = 10
b = "20"
print(a + int(b))
```

○ A) 30

○ B) "1020"

○ C) 1020

○ D) Error

4. What is the value of *result* ?

```
result = 10 == 10.0
```

○ A) True

○ B) False

○ C) 10

○ D) 10.0
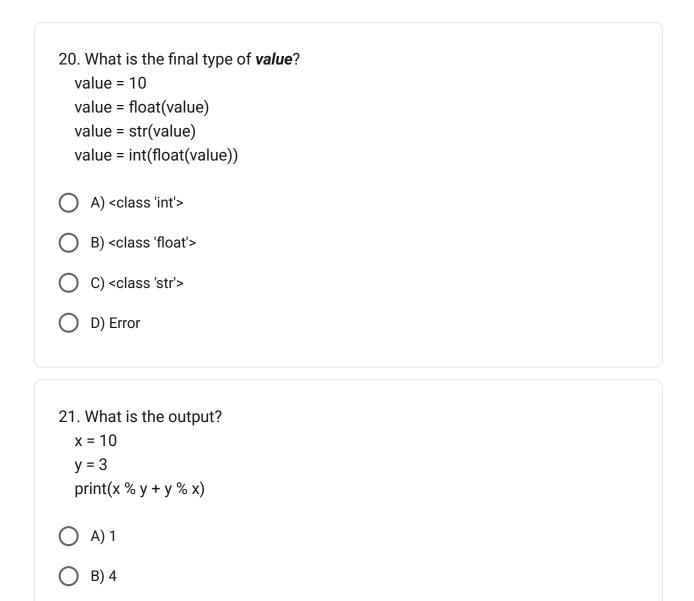
5. What does this print?
   x = 5
   y = "5"
   print(x == y)

○ A) True

○ B) False

○ C) 5

○ D) Error

6. What is the output?
   a = True
   b = False
   print(a + b)

○ A) 1

○ B) 0

○ C) True

○ D) Error

7. What is the data type of *z*?
   x = 3
   y = 4
   z = (x > y)

○ A) <class 'int'>

○ B) <class 'bool'>

○ C) <class 'str'>

○ D) <class 'NoneType'>

8. What does this code display?

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

○ A) <class 'None'>

○ B) <class 'null'>

○ C) <class 'NoneType'>

○ D) <class 'object'>

9. What is the result?

```
a = 1
b = 1.0
print(a is b)
```

○ A) True

○ B) False

○ C) 1

○ D) Error

10. What does this print?

```
x = "hello"
y = 'hello'
print(x is y)
```

○ A) True

○ B) False

○ C) hello

○ D) Error

11. What is the final value of **num**?
    num = 7
    num = num * 2
    num = "Python"
    num = 3.14

○ A) 14

○ B) "Python"

○ C) 3.14

○ D) Error

12. What does this code output?
    result = bool("False")
    print(result)

○ A) True

○ B) False

○ C) "False"

○ D) Error

13. What is the value of *x* after assignment?
    x = 5 / 2

○ A) 2

○ B) 2.5

○ C) 3

○ D) 2.0

14. What does this print?
    a = 1000
    b = 1000
    print(a is b)

○ A) True

○ B) False

○ C) 1000

○ D) Error

15. What is the result?
    x = 10
    y = 3
    print(x // y)

○ A) 3.333

○ B) 3

○ C) 4

○ D) 3.0

16. What is the output?
    x = "123"
    y = 456
    print(x + str(y))

○ A) 579

○ B) "123456"

○ C) 123456

○ D) Error

17. What does this code display?

```
a = 0
print(bool(a))
```

○ A) True

○ B) False

○ C) 0

○ D) Error

18. What is the value of **result**?

```
result = 2 ** 3 ** 2
```

○ A) 64

○ B) 512

○ C) 36

○ D) 72

19. What does this print?

```
x = 10
x += 5
x *= 2
print(x)
```

○ A) 25

○ B) 30

○ C) 35

○ D) 40

20. What is the final type of **value**?
    value = 10
    value = float(value)
    value = str(value)
    value = int(float(value))

    ○ A) <class 'int'>

    ○ B) <class 'float'>

    ○ C) <class 'str'>

    ○ D) Error

21. What is the output?
    x = 10
    y = 3
    print(x % y + y % x)

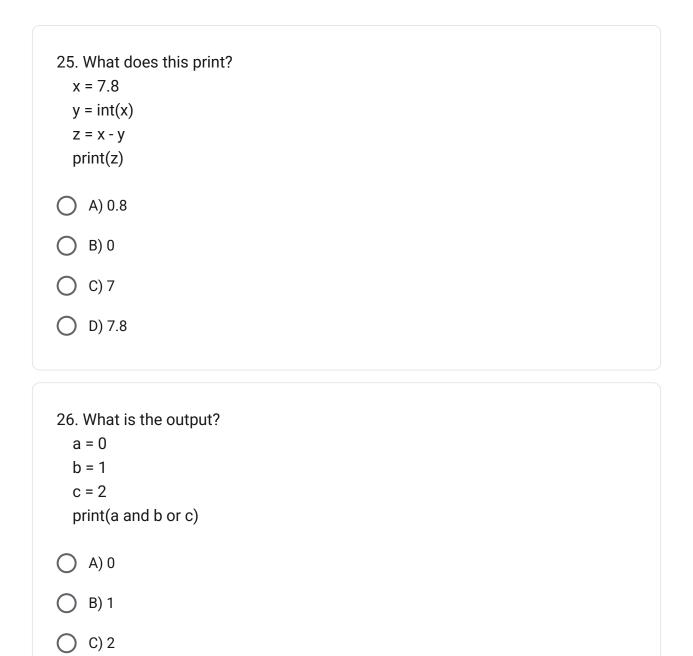   ○ A) 1

    ○ B) 4

    ○ C) 13

    ○ D) 1.333

22. What does this code display?
    a = 1
    b = 1
    print(id(a) == id(b))

○ A) True

○ B) False

○ C) 1

○ D) Error

23. What is the result?
    x = "5" * 3
    print(type(x))

○ A) <class 'int'>

○ B) <class 'str'>

○ C) <class 'list'>

○ D) 555

24. What is the value of 'result'?
    result = 3 * 4 // 2 + 5 - 1

○ A) 10

○ B) 12

○ C) 14

○ D) 16

25. What does this print?

```
x = 7.8
y = int(x)
z = x - y
print(z)
```

○ A) 0.8

○ B) 0

○ C) 7

○ D) 7.8

26. What is the output?

```
a = 0
b = 1
c = 2
print(a and b or c)
```

○ A) 0

○ B) 1

○ C) 2

○ D) False

27. What does this code display?

```
x = 10
y = "10"
print(str(x) == y)
```

○ A) True

○ B) False

○ C) 10

○ D) Error

28. What is the result?

```
a = 5
b = 2
result = a ** b ** a
print(result)
```

○ A) 25

○ B) 3125

○ C) 9765625

○ D) 298023223876953125

○

29. What is the value of 'final_value'?

```
x = 15
x /= 3
x = int(x)
x = complex(x, 2)
final_value = type(x)
```

○ A) <class 'int'>

○ B) <class 'float'>

○ C) <class 'complex'>

○ D) <class 'tuple'>

30. What does this print?

```
x = 10
y = 0
print(bool(x) and bool(y) or not bool(x))
```

○ A) True

○ B) False

○ C) 10

○ D) 0

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