



QUESTION 1

In which year was Python 3 introduced?

☐ 2006

☒ 2008

☐ 2011

☐ 2005

Clear

✓ Correct

✓ 2 ✗ 0

QUESTION 2

Which of the following is NOT an assignment operator in Python?

☐ +=

☐ **=

☒ ++

☐ /=

Clear

✓ Correct

✓ 2 ✗ 0

[Clear](#)

✔ Correct

✔ 2 ✖ 0

QUESTION 3

Who is the developer of Python?

- ☐ Larry Page
- ☐ James Gosling
- ☒ Guido van Rossum
- ☐ Brendan Eich

[Clear](#)

✔ Correct

✔ 2 ✖ 0

QUESTION 4

What is the output of this code?

```
a * b + (c ** a // b - b)
```

Given a = 2, b = 10, c = 20.

- ☐ 11
- ☒ 50
- ☐ 80
- ☐ The above code throws an error

[Clear](#)

✔ Correct

✔ 2 ✖ 1

**QUESTION 5**

Which is not an inbuilt data type in Python?

- ☒ Double
- ☐ Float
- ☐ String
- ☐ Complex

Correct

2 1

QUESTION 6

Find the lines containing errors in the given code.

```
num = 35    # Line 1
if num=10 and num<20:    # Line 2
    print("Between 10 and 20")    # Line 3
else    # Line 4
    print("Greater Than 20")    # Line 5
```

► *Hint*

- ☐ Line 1
- ☒ Line 2
- ☐ Line 3
- ☒ Line 4
- ☐ Line 5
- ☐ There are no errors in this code.

Correct

2 0

QUESTION 7

**QUESTION 7**

Choose the correct python syntax(s) for the following conditional statement.

- variable age between 18(included) and 60(excluded)

☐ age >= 18 and age <= 60

☒ age >= 18 and age < 60

☒ not age<18 and not age>= 60

☒ 18 <= age < 60

Clear

✔ Correct

✔ 2 ✖ 1

QUESTION 8

What is the output of the following code?

```
"michigan" < "oxford" < "stanford"
```

☒ True

☐ False

☐ 1

☐ Error

Clear

✔ Correct

✔ 2 ✖ 2

QUESTION 9

**QUESTION 9**

Choose the correct option that corresponds to the result we get after executing the following lines in python.

i. True + False

ii. True * False

iii. True - True

iv. True / False

v. True ** False

► *Hint*

☐ i) 1, ii) Error, iii) 0, iv) 1, v) 1

☐ i) 0, ii) 1, iii) 1, iv) 0, v) Error

☒ i) 1, ii) 0, iii) 0, iv) Error, v) 1

☐ i) 1, ii) 0, iii) 0, iv) 1, v) 1

Clear

✓ Correct

✓ 2 ✗ 1

QUESTION 10

What is the output of (False and True), (False or True), (not True or not False) respectively?

☐ False True False

☒ False True True

☐ False False False

☐ True False True

Clear

✓ Correct

✓ 2 ✗ 0

**QUESTION 11**

Choose the options that are relational operators in Python.

☒ ==☐ **☒ !=☐ %☒ >=Clear

Correct

2 0

QUESTION 12

Which of the following is/are not bitwise operator(s)?

Hint: Read this article on [bitwise operator](#)

☐ ~☒ >☐ <<☐ |Clear

Correct

2 1

QUESTION 13

Clear

✔ Correct

✔ 2 ✖ 1

QUESTION 13

Choose the correct precedence of operators in python. (Higher -> Lower)

☐ `** , () , + , == , >>`☐ `() , * , ** , >> , +`☐ `() , ** , / , + , > , <<`☒ None of the aboveClear

✔ Correct

✔ 2 ✖ 1

QUESTION 14

Choose the correct options that print a floating-point number "a" up to two decimal places.

► *Hint*

☒ `print("%.2f"%a)`☐ `print("%.2f",a)`☒ `print("{:.2f}".format(a))`☐ `print("{%.2f}".format(a))`Clear

✔ Correct

✔ 2 ✖ 6

**QUESTION 15**

Choose the correct option that completes the equation below.

$(13 * 5 + 65) \text{ ??? } 10 = 13$

☐ *

☒ //

☐ -

☐ /

Clear

✓ Correct

✓ 2 ✗ 1

QUESTION 16

Given two variables a, b. Arrange the following lines of code such that the final line prints "A is greater" if a>b, "B is greater" if b>a, else print "EQUAL" using the ternary operator in python.

a) if a == b

b) "B is greater"

c) else

d) "EQUAL"

e) if a > b else

f) "A is greater"

► Hint

☐ "B is greater" if a>b else "A is greater" if a==b else "EQUAL"

☐ if a==b "EQUAL" if a>b else "A is greater" else "B is greater"

☒ "EQUAL" if a==b else "A is greater" if a>b else "B is greater"

☒ "A is greater" if a>b else "EQUAL" if a==b else "B is greater"

Clear

✓ Correct

✓ 2 ✗ 2

QUESTION 17

**QUESTION 17**

`isnan()` , `copysign()`, `ceil()`, `isinf()`, `modf()` are functions of which library in python?

- ☐ stats
- ☒ math
- ☐ statsmodel
- ☐ scipy
- ☐ numpy

Clear

✓ Correct

✓ 2 ✗ 0

QUESTION 18

What is the output of the following code?

QUESTION 18

What is the output of the following code?

```
age = 21
if age > 3:
    print("Children")
elif age > 16:
    print("High School Student")
if age > 18:
    print("Voting Age")
if age > 20:
    print("Passed Teenage")
elif age == 21:
    print("Adult")
if age > 30:
    print("Middle Adulthood")
elif age > 45:
    print("Late Adulthood")
else:
    print("Adulthood")
if age>60:
    print("Old Age")
else:
    print("Life Cycle")
```

- ☐ Children
Voting Age
Adulthood
Life Cycle
- ☐ Children
Adulthood
Life Cycle
- ☐ Children
Voting Age
Passed Teenage
Adulthood
Old Age
- ☒ Children
Voting Age
Passed Teenage
Adulthood
Life Cycle

**QUESTION 19**

Choose all the data types that are immutable?

- ☒ string
- ☐ list
- ☐ dictionary
- ☒ tuple
- ☐ set

Clear✔ Correct✔ 2 ✖ 3**QUESTION 20**

What is the output of the following code?

```
True or False and False
```

- ☒ True
- ☐ False
- ☐ The code will throw an Error
- ☐ None of the above

Clear✔ Correct✔ 2 ✖ 1