

Test I: Multiple Choice - Python (10 points)

1. What is Python?
 - A) A type of snake
 - B) A high-level programming language*
 - C) A popular type of coffee
 - D) A type of programming puzzle
2. All keywords in Python are in _____.
 - A) Capitalized
 - B) Lower case
 - C) Upper Case
 - D) None of the mentioned
3. Which of the following character is used to give single-line comments in Python?
 - A) // B) #
 - C) ! D) /*
4. Which of the following is the correct way to print "Hello, World!" in Python?
 - A) print("Hello, World!")
 - B) echo "Hello, World!"
 - C) System.out.print("Hello, World!")
 - D) console.log("Hello, World!")
5. What is the output of "Python".lower()?
 - A) PYTHON B) python
 - C) PythoN D) Error
6. Which operator is used for exponentiation?
 - A) ^ B) *
 - C) ! D) **
7. What is the output of 5 // 2?
 - A) 2.5 B) 2.0
 - C) 2 D) 3
8. Which of the following data types used for decimal number in Python?
 - A) string B) bool
 - C) int D) float
9. Which of the following data types used for characters in Python?
 - A) string B) char
 - C) double D) float
10. What is the purpose of the input() function in Python?
 - A) To display text on the screen
 - B) To perform mathematical calculations
 - C) To get user input from the keyboard
 - D) To create a random number

Test II: Fill in the blanks

Code	Data type of Variable
<code>print (type("Redhill"))</code>	
<code>print (type("Fred"))</code>	
<code>print (type(198))</code>	
<code>print (type(88.9))</code>	
<code>print (type(False))</code>	
<code>print (type(True))</code>	

<i>Operators in Words</i>	<i>Operators in Symbols</i>
<i>A is greater than B</i>	
<i>A is less than B</i>	
<i>A is equal to B</i>	
<i>A is greater than or equal to B</i>	
<i>A is not equal to B</i>	

Test III: Program output (2 pts each)

1. i = 1:

while True:

if i%3 == 0:

break

print(i)

Which of the following is the correct output of this program?

- A) 1 2 3
- B) 3 2 1
- C) 1 2
- D) Invalid syntax

2. a = 1

while True:

if a % 7 == 0:

break

print(a)

a += 1

Which of the following is correct output of this program?

- A) 1 2 3 4 5
- B) 1 2 3 4 5 6
- C) 1 2 3 4 5 6 7
- D) Invalid syntax

```
3.     i = 0
while i < 5:
    print(i)
    i += 1
if i == 3:
    break
else:
    print(0)
```

What will be the output of this statement?

- A) 1 2 3
- B) 0 1 2 3
- C) 0 1 2
- D) 3 2 1

```
4.     x = 1
while True:
    if x % 5 == 0:
        break
    print(x)
    x += 1
```

What will be the output of this statement?

- A) error
- B) 2 1
- C) 0 3 1
- D) None of these

```
5.     i = 0
while i < 3:
    print(i)
    i += 1
else:
    print(0)
```

What will be the output of this statement?

- A) 0 1
- B) 0 1 2
- C) 0 1 2 0
- D) 0 1 2 3

Test IV: Write the output by each statement (5pts each)

1. number = 1

while number <= 10:

if number == 7:

print("Found the number 7. Breaking out of the loop.")

break

print(number)

number += 1

2. num = 2

while num <= 20:

print(num)

num += 2

3. n = 7

i = 1

while i <= 10:

mul = i*n

i = i + 1

print(mul)