

## Python Programming Test

### Question 1

This question will test your ability to understand Python code.

a) What values are stored in variables x and y after running the following program?

```
x = 25  
y = 15  
x = x + y  
y = (x / 5)
```

```
x =  
y =
```

4 marks

b) Give the output below of the three print statements in order.

```
word = "Hello"  
print( len(word) )  
print( len.upper() )  
print( word * 3 )
```

6 marks

c) What values are stored in variables a and b after running the following program?

```
a = 15  
b = 25  
if a != b:  
    a = b * (b / 5)  
else:  
    b = a + (b - a)
```

```
a =  
b =
```

6 marks

## Question 2

This will test your knowledge on theory of programming.

a) Which program works as intended and why? 1 or 2?

1.

```
name = input("What is your name?")  
name.lower()  
print(name)
```

2.

```
name = input("What is your name?")  
name = name.lower()  
print(name)
```

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2 marks

b) Provide a description and an example for the following.

**Boolean**

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2 marks

**print()**

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2 marks

**input()**

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2 marks

c) Provide the operator symbol needed and a description for it.  
Finding out if a number is the same or less than another number.

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2 marks

Finding out if a number is equal to something else.

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2 marks

Finding out the remainder of a number.

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2 marks