

Question 0.)

```
Variable1 = "False"  
Variable2 = 'A'  
Variable3 = 95.89  
Variable4 = "hello"  
Variable5 = 1234  
Variable6 = "I am a sentence"  
Variable7 = True  
Variable8 = 1.23.4
```

Answer word bank : [str, int, float, bool, compiler error]

Referred to amongst all languages: [string, integer, float, boolean]

- 1.) What will python output when the following code is executed ?
`print(type (Varibale1))`
- 2.) What will python output when the following code is executed ?
`print(type (Varibale2))`
- 3.) What will python output when the following code is executed ?
`print(type (Varibale3))`
- 4.) What will python output when the following code is executed ?
`print(type (Varibale4))`
- 5.) What will python output when the following code is executed ?
`print(type (Varibale5))`
- 6.) What will python output when the following code is executed ?
`print(type (Varibale6))`
- 7.) What will python output when the following code is executed ?
`print(type (Varibale7))`
- 8.) What will python output when the following code is executed ?
`print(type (Variable8))`

Question 1.)

In Python, a variable may be assigned a value of one type, and then later assigned a value of a different type:

☒ False

☐ True

Question2: Write the code to so that if statement is executed and "hello" is printed
Hint use one of the following: [< , > , == , != , >= , <= , or , and]

```
1 lhs = 1
2 rhs = 2
3
4 if      :
5     print("hello")
6
7
```

Question 3 : Write the code to so that
: [< , > , == , != , >= , <= , or , and]

```
1 grade = 70
2
3 if ? ? 90:
4     print("A")
5 ? ? ? 80:
6     print("B")
7 ? ? ? 70:
8     print("C")
9 ? :
10    print("F")
```

Question4 :

Python

```
a = 100
b = 50
```

Write a Python `if / else` statement to assign variable `m` to the smaller of `a` and `b`.

Question5:

What is the output of the following code snippet:

Python

```
if 'bar' in {'foo': 1, 'bar': 2, 'baz': 3}:
    print(1)
    print(2)
    if 'a' in 'qux':
        print(3)
print(4)
```

☒

1
2
4

☐

It doesn't generate any output.

☐

1
2
3
4

☐

4

Question6:

Which of the following are valid Python variable names:

☐ home_address

☐ return

☐ route66

☐ 4square

☐ Age

☐ ver1.3

Intro to python:

1.) ~~Different types of variables~~

~~<https://www.w3schools.com/python/python-variables.asp>~~

2.) How to define a function

3.) How to return from a function

4.) Conditionals (if – elif – else)

<https://realpython.com/python-conditional-statements/>

5.) Mod check for an even or odd

<https://www.freecodecamp.org/news/the-python-modulo-operator-what-does-the-symbol-mean-in-python-solved/>

6.) Casting

https://www.w3schools.com/python/python_casting.asp

7.) For loops

8.) While loops

9.) Lists