

## Python Beginner Practice Questions and Solutions

### Print Statements

1. Write a Python program to print "Hello, World!".

Solution:

```
print("Hello, World!")
```

2. Print your name using a print statement.

Solution:

```
print("Your Name") # Replace "Your Name" with your actual name
```

3. Print the result of the following math operation: 5 + 7.

Solution:

```
print(5 + 7)
```

### Numbers

4. Assign the number 10 to a variable called a, and print it.

Solution:

```
a = 10
```

```
print(a)
```

5. Perform the multiplication of 7 and 8, store the result in a variable called product, and print product.

Solution:

```
product = 7 * 8
```

```
print(product)
```

6. Write a Python program to calculate the area of a rectangle with length 5 and width 3, and print the result.

Solution:

```
length = 5
```

```
width = 3
```

```
area = length * width
```

```
print(area)
```

## **Strings**

7. Assign the string "Python" to a variable called language and print it.

Solution:

```
language = "Python"
```

```
print(language)
```

8. Concatenate two strings "Hello" and "World" with a space in between, and print the result.

Solution:

```
greeting = "Hello" + " " + "World"
```

```
print(greeting)
```

9. Write a Python program to print the length of the string "OpenAI".

Solution:

```
string = "OpenAI"
```

```
print(len(string))
```

## **Lists**

10. Create a list with the numbers 1, 2, 3, 4, 5, and print the list.

Solution:

```
numbers = [1, 2, 3, 4, 5]
```

```
print(numbers)
```

11. Access and print the third element in the list [10, 20, 30, 40, 50].

Solution:

```
numbers = [10, 20, 30, 40, 50]
```

```
print(numbers[2]) # Indexing starts at 0, so 2 refers to the third element
```

12. Add the number 6 to the list [1, 2, 3, 4, 5], and print the updated list.

Solution:

```
numbers = [1, 2, 3, 4, 5]
```

```
numbers.append(6)
```

```
print(numbers)
```

13. Remove the number 3 from the list [1, 2, 3, 4, 5], and print the updated list.

Solution:

```
numbers = [1, 2, 3, 4, 5]
```

```
numbers.remove(3)
```

```
print(numbers)
```

14. Write a Python program to find and print the sum of all numbers in the list [4, 8, 15, 16, 23, 42].

Solution:

```
numbers = [4, 8, 15, 16, 23, 42]
```

```
total = sum(numbers)
```

```
print(total)
```

15. Create a list with any 3 string elements of your choice and print the list.

Solution:

```
my_list = ["apple", "banana", "cherry"]
```

```
print(my_list)
```