Assignment 1: Code Review and Error Correction

Objective: Identify, correct, and explain errors in Python code snippets to reinforce understanding of syntax and logic.

Instructions:

For each code snippet below, do the following:

1. **Identify** the errors in the code.

2. **Rewrite** the corrected code.

3. **Explain** each error and why the correction works.

Code Snippets

1. **Code Snippet 1**

```python
def add_numbers(a, b)
    return a + b
print(add_numbers(5, 10))
```

2. **Code Snippet 2**

```python
name = "Alice
print("Hello, " + name)
```

3. **Code Snippet 3**

```python
for i in range(5)
    print("Number:", i)
```

4. **Code Snippet 4**

```python
my_list = [1, 2, 3, 4, 5]
print("The fifth element is: " + my_list[5])
```

5. **Code Snippet 5**

```python
def greet(name):
print("Hello " + name)
greet("Bob")
```

6. **Code Snippet 6**

```python
age = input("Enter your age: ")
if age >= 18:
    print("You are eligible to vote.")
else:
    print("You are not eligible to vote.")
```

7. **Code Snippet 7**

```python
def multiply(a, b):
    result = a * b
return result
print(multiply(4, 5))
```

8. **Code Snippet 8**

```python
count = 10
while count > 0
    print(count)
    count -= 1
print("Countdown complete!")
```

Submission Guidelines:

Write the corrected code in a file with explanations of errors

Format:

Write the error

Write corrected code

Explain the error

Submit this file in pdf.

Task2:

Create a presentation on topic

-Introduction and history of Python

-Functions & Modules

Submit in pdf format