



VaultofCodes

Answer

Code Snippet 1:-

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

Correct code:-

```
def add_numbers(a, b):
    return a + b
```

```
print(add_numbers(5, 10))
```

Error :-

Missing semi colon ' : '

Code Snippet 2:-

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

Correct Code:-

```
Name = "Alice"
Print("Hello "+ Name)
```

Error:-

Missing quotes "

Code Snippet 3:-

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

Correct Code:-

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

Error:-

Missing colon (:) at the end of the for loop declaration.

Code Snippet 4:-

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

Correct Code:-

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

Error:-

Index out of range.
List indices start at 0, so the fifth element is at index 4.

Code Snippet 5:-

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

Correct Code:-

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

Error:-

Missing indentation for the print statement inside the function.

Code Snippet 6:-

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

Correct Code:-

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

Error:-

input() returns a string. Comparison with an integer (18) will raise an error. Conversion to int is required.

Code Snippet 7:-

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

Correct Code:-

```
def multiply(a, b):  
    result = a * b  
    return result
```

```
print(multiply(4, 5))
```

Error:-

Incorrect indentation of the return statement. It should be part of the function.

Code Snippet 8:-

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

Correct Code:-

```
count = 10  
While count > 0:  
    Print(count)  
    Count -= 1  
Print ("Countdown  
completed!")
```

Error:-

Missing semi colon after the while condition" : "