# Task-1(Python programming)

Code snippet 1:

**Error**

NameError: name 'number\_of\_apple' is not defined

**Corrected Code**

number\_of\_apples = 5

print(number\_of\_apples)

You **defined** the variable as number\_of\_apples (with an s at the end).

But then you **tried to print** number\_of\_apple (missing the s).

Python is **case-sensitive** and **spelling-sensitive** — variable names must match exactly.

Code snippet 2:

**Error**

IndexError: list index out of range

**Corrected Code**

fruits = ["apple", "banana", "cherry"]

print(fruits[2]) # Accessing the last valid index

Lists in Python are **zero-indexed**, which means:

fruits[0] → "apple"

fruits[1] → "banana"

fruits[2] → "cherry"

You tried to access fruits[3], which does **not exist** — it’s **out of range**.

The list has **3 items**, but the valid indices are **0 to 2**.

Code snippet 3:

**Error**

TypeError: unsupported operand type(s) for +=: 'int' and 'str'

**Corrected Code**

def find\_average(numbers):

total = 0

for number in numbers:

total += int(number) # Convert to integer if needed

average = total / len(numbers)

return average

numbers = [1, 2, 3, 4, 5, "6"] # "6" is a string

average = find\_average(numbers)

print(f"The average is: {average}")

The list contains "6" — a **string**, not an integer.

Python doesn't allow you to add an int and a str directly (sum += number fails).

To fix this, we convert each number to int using int(number).

Code Snippet 4

**Error**

NameError: name 'update\_records' is not defined

**Corrected Code**

def update\_record(records, name, score):

if name in records:

records[name].append(score)

else:

records[name] = [score] # wrap score in a list

student\_records = {"Alice": [88, 92], "Bob": [70, 85]}

update\_record(student\_records, "charlie", 91)

update\_record(student\_records, "Alice", 95)

print(student\_records)

**NameError:**

You defined the function as update\_record, but called update\_records (with an extra **s**).

Use consistent naming: update\_record(...).

**TypeError (if it ran):**

In the else block, you wrote:

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records[name] = score