

Week-1 Task of Varun Gupta

Code Snippet 1

```
# The error : NameError

# Write corrected code
number_of_apples = 5
print(number_of_apples) #Correction in the name of variable

# Explain the error : The name of the variable to print was entered
incorrectly in the brackets the s was missing.

5
```

Code Snippet 2

```
# The error : IndexError

# Write corrected code
fruits = ["apple", "banana", "cherry"]
print(fruits[2])

# Explain the error : For accessing the third element we use index 2
as indexing starts from 0.

cherry
```

Debugging Exercise 3

```
# The error : TypeError

# Write corrected code
def find_average(numbers):
    sum = 0
    for number in numbers:
        sum += number
    average = sum/len(numbers)
    return average

numbers = [1,2,3,4,5,6]
average = find_average(numbers)
print(f"The average is: {average}")
```

Explain the error : The valuee in numbers is of integer type but 6 was of string type due to which error occurred so corrected it by changing it to integer

The average is: 3.5

Exercise 4

The error : AttributeError

Write corrected code

```
def update_record(records, name, score):  
    if name in records:  
        records[name].append(score)  
    else:  
        records[name] = [score]
```

```
student_records = { "Alice" : [88, 92], "Bob": [70, 85]}  
update_record(student_records, "Charlie", 91)  
update_record(student_records, "Alice", 95)  
print(student_records)
```

Explain the error : The keys and values in a dictionary is of list type so [] brackets were added to initialize it as list

```
{'Alice': [88, 92, 95], 'Bob': [70, 85], 'Charlie': [91]}
```