

Lab 8 – Debugging Exercise

There are a few bugs/errors in the following programs. Can you find and fix them? You can put the fix in the code directly (please highlight your change). Or list the errors and fixes under the code.

a)

```
word = input("Enter a word: ")
print("The last letter in '{0}' is '{1}'".format(word, word[len(word)-1]))

first_num = int(input("Enter a number: "))
second_num = int( input("Enter another number: "))

print(f"For {first_num} and {second_num}:")
print("\tSum = {0}".format(first_num + second_num))
print("\tDifference = {0}".format(first_num - second_num))
print("\tProduct = {0}".format(first_num * second_num))
```

b)

```
# Grade Converter
# A: 100% – 90%, B: 89 – 80, C: 79 – 70, D: 69 – 60, F: Any score under 60%

def grade_of_score(score):
    if score > 90:
        letter_grade = 'A'
    elif score > 70:
        letter_grade = 'C'
    elif score > 80:
        letter_grade = 'B'
    elif score <= 60:
        letter_grade = 'D'
    else:
        letter_grade = 'F'
    return letter_grade
```

```
def grade_of_score(score):
    if score >= 90:
        return 'A'
    elif score >= 80:
        return 'B'
    elif score >= 70:
        return 'C'
    elif score >= 60:
        return 'D'
    else:
        return 'F'
```

c)

```
def is_pal(x):
    """ Returns True if list x is a palindrome and False otherwise """
    temp = x.copy()
    temp.reverse()
    if temp == x:
        return True
    else:
        return False
```

d)

```
def positive_list(l):
    new_list = []
    for n in l:
        if n>0:
            new_list.append(n)
    return new_list
```