**Day 4 Assignment**

**Python Essentials**

**Question 1:**

Print the first ArmStrong number in the range of 1042000 to 702648265 and exit the loop as soon as you encounter the first armstrong number.

Use while loop

Output: The first Armstrong number is\_\_\_\_\_\_\_\_\_

**Answer:**

lower = 1042000

upper = 702648265

for num in range(lower, upper + 1): order = len(str(num))

sum = 0 temp = num

while temp > 0:

digit = temp % 10 sum += digit \*\* order temp //= 10

if num == sum:

print("The first armtsong number is:", num) break

Output:

The first armtsong number is: 1741725