**Q1 Swap the number without using third varible**

**a = 5**

**b = 10**

**# Swapping using**

**a = a + b**

**b = a - b**

**a = a - b**

**print("After swapping: a =", a, ", b =", b)**

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**Q.2 Write a Program to extract each digit from an integer in the reverse order.**

**For example, If the given int is 7536, the output shall be “6 3 5 7“, with a space separating the**

**Digits.**

a = 7536

a\_str=str(a)

print(a\_str[::-1])

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**Q.3 Write a program that will give you the sum of 3 digits**

**# simpal method**

**a = 5**

**b = 3**

**c = 5**

**print(a+b+c)**

**# for loop method**

**sum =0**

**for i in range(1,4):**

**sum = sum + i**

**print(sum)**

**#while loop method**

**a = 1**

**sum = 0**

**while a <= 3:**

**sum += a**

**a = a +1**

**print(sum)**

**—-----------------------------------------------------------------------------------------------------------**

**Q4 Write a program that will check whether the number is armstrong number or not.**

**a=345**

**rem1=a%10**

**a=a//10**

**rem2=a%10**

**a=a//10**

**rem3=a%10**

**sum=rem1+rem2+rem3**

**print(sum)**