Python Assignment-03
Answers

1) Find the Armstrong Number between the two numbers which are input by user?
            Armstrong number : 153 -> 1*1*1 + 5*5*5 + 3*3*3
Ans. n = int(input("Enter any no. : "))
        temp = n
        sum = 0
        while (n > 0):
                r = n % 10
                sum = sum + (r*r*r)
                n = n//10

        if sum == temp:
                print("Number is armstrong")
        else:
                print("Number is not armstrong")

2) Let's say you have a string "hello this world @2020!!! "
            Remove the punctuation like ["@!#$%&*()"] from the string
            Final output should be without the punctuation
                    "hello this world 2020"

Ans. s = "hello this world @2020!!!"
        for i in range(len(s)):
                if ((s[i] >= 'a' and s[i] <= 'z') or (s[i] >= '0' and s[i] <= '9')
or (s[i] == ' ')):
                        print(s[i],end="")

3) You have a list with words - ["Apple", "banana", "cat", "REGEX","apple"]
        Sort words in Alphabetical order
        If you get output, like [Apple, apple, banana]
        How has it happened?

Ans.   l = ['Apple', 'banana', 'cat', 'REGEX','apple']
        l.sort()
        print(l)