Day 23 of DevOps class

Agenda – create a program using the list method

Program concept – print them out as a swap value in a specific index

Here the concept

# Take the input value from the user to create a list

# The user needs to select the values to swap the values

# The user needs to select the indices to swap the values

# Here again user needs to provide the indices as input to capture the values as selected indices

# Once the user selects the indices capture the values and here we need to apply the condition and swap the values as the user requirement

#Need to apply all list operations  
  
num = int(input("Enter a number: ")) #num= 5  
  
listed\_value = []  
  
for i in range(10, num+1):   
 listed\_value.append(i)  
  
print(listed\_value)  
#list has to at least 2 elements  
if num < 2:  
 print("Enter minimum 2 indices")  
else:  
 #requesting 2 indices from user  
 while True:  
 print("Enter the indices: ")  
 index\_1 = int(input("Enter the index1: "))  
 index\_2 = int(input("Enter the index2: "))  
  
 if index\_1 == index\_2 or index\_1 < 0 or index\_2 <0 or index\_1 >= num or index\_2 >= num:  
 print("Indices values are out of the range")  
 else:  
 break  
  
 #Reverse the elements at the specific indices  
  
 a = listed\_value[index\_1]  
 b = listed\_value[index\_2]  
 listed\_value[index\_1] = b  
 listed\_value[index\_2] = a  
  
  
 print(listed\_value)

Output:

Enter a number: 5

[1, 2, 3, 4, 5]

Enter the indices:

Enter the index1: 2

Enter the index2: 3

[1, 2, 4, 3, 5]