ICTPRG302 - Apply introductory programming techniques –

Session 8 Worksheet

Lists and Sets

Task 1. Write a Python program to remove duplicates from a list.

numbers = [1,2,3,4,1,5,5,6,7,3,4]

duplicate = set() # empty set

unique = [] #empty list

for num in … : # replace … with your code

if num not in duplicate:

unique.append(…) # replace … with your code

duplicate.add(num)

print(duplicate)

Output:



Task 2. Write a Python program to iterate over sets. Complete the following code.

# Initialize set

set\_numbers = {1, 2, 3, 4, 5, 6}

# Create a set

set\_chars = set("abcdefg") # creating a set from string

# Iterating using for loop

for i in … : # replace … with your code

print(i, end=" ")

print("--> All numbers.\n")

# Iterating using for loop

for i in set\_chars:

… # replace … with your code

print("--> All single characters.")

Output:

A picture containing text

Description automatically generated

*End of workshop*.