ICTPRG302 - Apply introductory programming techniques –

Session 16 Worksheet

Functions (2)

Task 1. Default Parameter values. Use the following code.

def my\_function(fruit = ?): # replace ? with your own code

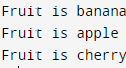
print("Fruit is " + fruit)

my\_function("banana")

my\_function()

my\_function("cherry")

Call the function to display the following output:



Task 2. Passing a list as an argument. Use the following code.

def my\_function(food):

for i in food:

print(food)

fruits = ["apple", "banana", "orange"]

my\_function(food)

Fix all the errors to produce the following output:



Task 3. Modify the following function to search a given element, and return the index

Use the following code.

# Linear search algorithm

# If val is present then return index

# else return -1

def search(lst, val):

for i in range(len(lst)):

if lst[i] == val:

**return** ? **# write your own code instead of ?**

**return** -1

val = 7 # value to search

lst = [2, 3, 1, 8, 9, 7]

index = search(?, val) **# write your own code instead of ? to get the correct output**

if (index != -1):

print("Found element at index", **?**) **# write your own code instead of ?**

else:

print("Not Found")

Output:

