Written Test for Python Developer

**Candidate Name: Nur Faiqah binti Mat Abdul Shukor**

**Date: 29th June 2022**

**Time Allowed: 60 Minutes**

***Note:*** *Use of mobile or internet is not allowed during the test.*

**Q1 - Write a program which takes following two lists as input**

A = [“Ali”,”Hamza”,”Usman”]

B = [ [ 23, 29, 32], [ 5.8, 5.9, 6.1] ...]

and gives following output:

Ali is 23 years old and his height is 5.8ft

Hamza is 29 years old and his height is 5.9ft.

Note : list “A”contains names of person whereas list **“B”** contains age and height of persons respectively.

**Q2- List a contains 100 words, many of them are duplicate, write a two line code which removes duplicates preserving the order of list.**

**Q3- Assuming that we have some email addresses in the "username@companyname.com" format, please write program that;**

* Print the “user name” of a given email address.
* Prints the “companyname” of a given email address

**Q4 - Given two given lists [1,3,6,78,35,55] and [12,24,35,55,88,78,155], write a program to make a list whose elements are intersection of the above given lists.**

**Q5- Write a recursive function which calculates 1+2+3+...+10**

e.g. sum\_recursive (start = 1 , end = 10)

output = 55

GOOD LUCK!