**Test Python-PHP**

1. Which type of concurrency is best for CPU-bound programs?

1. Asyncio
2. Multiprocessing
3. Threading
4. Dictionaries

2. If you have a CPU-bound program and you’re going to use the multiprocessing library, what’s a good number of processes to create?

a)1000

b) As many as posible

c) 1

d) One process for each CPU

3. In a Python program, a control structure:

1. Defines program-specific data structures
2. Directs the order of execution of the statements in the program
3. Dictates what happens before the program starts and after it terminates
4. Manages the input and output of control characters

4. How do you get information from a form that is submitted using the "get" method?

a) Request.form;

b)Request.QueryString;

c)$\_GET[]

d)$GET[]

5. How do you create an array in PHP?

a) $cars = array["Audi", "BMW", "Wolskwaven"];

b) $cars = array("Audi", "BMW", "Wolskwaven");

c) $cars = "Audi", "BMW", "Wolskwaven";

6. Which superglobal variable holds information about headers, paths, and script locations?

a) $GLOBAL

b)$\_SESSIONS

c)$\_GET

d)$\_SERVER

6. create a python (3.8 or 2.7) or PHP 7+ program of the (paper, rock, scissors), giving as one instruction or multiple choices (rock, paper, scissors). Send us the “.py” or “.php” program by mail

7.Process the file “*result.txt*” containing the output of the “show running-config” command (Device CISCO), create a Python application or PHP to fill the “get data value ‘ip vrf’ and values in route-target export” table using that file.

“interface” table structure:

|  |
| --- |
| CREATE TABLE `interfacemap` (  `vrf` varchar(32) default NULL,  `export\_map` varchar(22) default NULL,  ) |

Fragment of file “result.txt”:

|  |
| --- |
| show running^M  Building configuration...^M  ^M  Current configuration : 166931 bytes^M  !^M  ! Last configuration change at 17:30:29 Co Thu Jul 19 2012 by esalgado^M  ! NVRAM config last updated at 23:41:23 Co Sun Jul 22 2012^M  !^M  version 12.2^M  no service pad^M  service timestamps debug datetime msec localtime^M  service timestamps log datetime msec localtime^M  service password-encryption^M  service compress-config^M  !^M  hostname villavicencio^M  ip vrf AvalBogAVV^M  rd 100:16003^M  export map ARCOM-AVAL^M  route-target export 100:16003^M  route-target import 100:16003^M  route-target import 14080:2000^M  route-target import 14080:27300^M  !^M  ip vrf AvalBogBBOCis^M  rd 100:16001^M  export map ARCOM-AVAL^M  route-target export 100:16001^M  route-target export 100:830^M  route-target import 100:16001^M  route-target import 100:830^M  route-target import 14080:27300^M  !^M  ip vrf AvalBogBOC^M  rd 100:16005^M  export map ARCOM-BOC^M  route-target export 100:16005^M  route-target import 100:16005^M  route-target import 14080:300400^M  !^M  ip vrf AvalBogBPO^M  rd 100:16004^M  export map ARCOM-AVAL^M  route-target export 100:16004^M  route-target import 100:16004^M  route-target import 14080:27300^M  !^M |