WEEKLY-EXERCISE - 01

ICS 365-51	Metr	opolitan State University/MN
Week 1	Due <u>11:59pm, Sunday, Aug. 28, 2</u>	022 Fall 2022
Name:	Pong Lee Score:	
	olete both Parts I and II and then upload the resu Exercise 01 before the deadline (total 20 points).	ts to D2L under the dropbox
	d on the discussion in Lecture 1 and Chapter 1, pleasew, only one answer per question. (1 point each, total	
A) geneB) conv	the discussion on "compilation process," "syntax and ate machine code rt characters in the source program into lexical units ate intermediate code	ysis" is defined as to
D) trans	orm lexical units into parse trees which represent the	syntactic structure of program
2. Which o A) Marl B) Logi C) Impe	ative	s does Python belong to?
3. Based or abstraction'	the discussion on Programming Language Evaluation refers to	Criteria in Chapter 1, "support for
	atively small set of primitive constructs can be combined	ed in a relatively small number of
ways B) The aignored	bility to define and use complex structures or operati	ons in ways that allow details to be
	nce of two or more distinct referencing methods for the constructs, a small number of primitives, a small set o	· ·
A) cour B) ++co		of the following ways except
D) cour		
5. Which o computers?	the following is not considered as one of the character	ristics of von Neumann
B) DataC) Mult	ctions and data are piped from memory to CPU and programs stored in memory ple CPUs and parallel processing ory is separate from CPU	

- 6. Based on the discussion in Chapter 1, which of the following statements is incorrect for Just-in-Time (JIT) implementation systems?
 - A) The intermediate language of a subprogram is compiled and translated to machine code whenever the subprogram is called. In other words, the machine code of a subprogram is not kept for subsequent calls;
 - B) JIT systems are widely used for Java programs;
 - C) The source programs are initially translated into an intermediate language;
 - D) In essence, JIT systems are delayed compilers.
- 7. Which of the following programming languages has been mainly used for business applications?
 - A) Prolog
 - B) LISP
 - C) Fortran
 - D) COBOL
- 8. All the following are most important criteria for evaluating programming languages except
 - A) Writability
 - B) Tangibility
 - C) Readability
 - D) Reliability
- 9. Based on Figure 1.3 on page 24 of your textbook, which of the following functions does not work with "symbol table" in the compilation process?
 - A) Intermediate code generator and semantic analyzer
 - B) Lexical analyzer
 - C) Syntax analyzer
 - D) Optimization
- 10. Which of the following statements is not true?
 - A) The connection speed between CPUs is the bottleneck of von Neumann computers
 - B) The major methods of implementing programming languages are: compilation, pure interpretation, and hybrid implementation
 - C) Program instructions often can be executed much faster than the speed of the connection
 - D) Major influences on language design have been machine architecture and software development methodologies

Part II: Please study the handouts and follow the steps provided in the handouts to complete the following tasks: (Total 10 points)

1. Please provide the screenshot that shows that you have changed your password on our Linux server properly: (please replace the example shown below with yours, 3 points)

```
cs365fa2215@sp-cfsics:~$ passwd
Changing password for ics365fa2215.
Current password:
New password:
Retype new password:
passwd: password updated successfully
 cs365fa2215@sp-cfsics:~$ ssh sp-ofoso01
ssh: Could not resolve hostname sp-ofoso01: Temporary failure in name resolution
ics365fa2215@sp-cfsics:~$ ssh sp-cfcsc01
The authenticity of host 'sp-cfcsc01 (10.1.215.11)' can't be established.
ED25519 key fingerprint is SHA256:NB+fLwpNEPXyWW7QJeuRS++1IPyH7XvEmd9dW5IrAH0.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'sp-cfcsc01' (ED25519) to the list of known hosts.
ics365fa2215@sp-cfcsc01's password:
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-46-generic x86_64)
  Documentation: https://help.ubuntu.com
Management: https://landscape.canonical.com
Support: https://ubuntu.com/advantage
  System information as of Tue Aug 23 20:40:04 CDT 2022
  System load: 0.0009765625
                                                                               402
 Usage of /: 19.9% of 195.57GB
Memory usage: 10%
                                              Users logged in:
                                              IPv4 address for ens160: 10.1.215.11
  Swap usage:
   Super-optimized for small spaces - read how we shrank the memory
   footprint of MicroK8s to make it the smallest full K8s around.
   https://ubuntu.com/blog/microk8s-memory-optimisation
 updates can be applied immediately.
 ast login: Tue Aug 23 20:35:17 2022 from 97.116.107.122
 cs365fa2215@sp-cfsics:~$
```

2. Please provide the screenshot that shows you have successfully created your homepage on our Linux server properly. (please replace the example shown below with yours, 3 points)

```
ICS 365 Organization of Programming Language

Metropolitan State University.

This web site is still under the construction. Please send your comments to Pong Shoua Lee

Here is a website for learning Unix/Linux and Shell Programming:

What is "the Shell"? by W.E. Shotts, Jr.
```

3. Please add two more links for learning Linux and Shell Programming to the web page shown above and provide the screenshot similar to the one provided below. You need to use a proper title to replace either "My first selection" or "My second selection" on your updated page: (please replace the example shown below with yours, 4 points)

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Here is a website for learning Unix/Linux and Shell Programming:

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Shell Scripting Tutorial

Beginning of Lunix