***Internet Scavenger Hunt – Group Project  
COSC1309 Spring 2017***

***Instructions:***

Each team will submit ONE report to be graded. Every member of the team should have his/her own copy of the report when you leave class today, even if everything is not finished. Only those team members who participated in finding the information will earn a grade. Begin your report with a cover page that gives:

* Title
* name of each team member
* date submitted
* class and section number

Reports will be graded on completeness, correctness of answers, and formatting of the information. ***Be sure to cite your sources.*** Each individual will be responsible for knowing the answers on the first exam.

For each team member, fill in chart below:

|  |  |  |  |
| --- | --- | --- | --- |
| Team member’s full name: |  |  |  |
| Current picture (only one person in picture, please!) |  |  |  |
| Your college major: |  |  |  |

Find out the following about the Python programming language:

* Give a short description of the language.
* Who created Python?
* Explain how the language got its name.
* Is Python compiled or interpreted? Explain what this means.

Find information about the standard calendar.

* What is the name of the calendar that is internationally the most widely used civil calendar?
* Give the year when it began to be used.
* What is the name of the calendar that this calendar replaced?
* Explain what a leap year is and how a year is determined to be a leap year. Be careful here; give the complete rules.
* Identify the following as leap years or non-leap years: 2016, 2018, 2000, 1900, 2035, 2100.

Find a good definition of what “computer science” means.

* Give the definition and cite the source.
* List the names of some computer science courses majors take in the junior and senior years.
* What kind of math courses do computer science majors take?

Where was the following picture taken? Give the country and the name of this area. When was the structure built? Include a map that shows where it is and gives a good perspective to a traveler. Describe how you found these answers.

|  |
| --- |
| \\southplainscollege.edu\facstaff\FacHome$\cyoung\My Documents\My Pictures\__2010 David SA\Sacred Valley\Where in the world.jpg |

What is Dr. Paul Farmer known for?

What organization did he create and what are the main countries served by this organization?

Find the name of the author who wrote a book about Dr. Farmer AND a book about the creation of a 32-bit superminicomputer around 1980. Give the title of both books and the company that produced the computer he wrote about.

Identify one of the first woman computer scientists who also held a high office in a branch of the armed services. Give her name, a picture, the position she held, the branch of the military, and a list of her major contributions to computer science.

Describe how George Boole impacted the field of computer science. Give his birth/death dates.

Describe how Claude Shannon contributed to the digital revolution. Give his birth/death dates. Give a hobby of Shannon’s that he practiced when he was trying to solve a problem.

What is the connection between these two men?

Describe what is meant by a positional number system. Give an example that helps explain the concept.

Explain why the digit zero is so important in a positional number system.

Give an example of a number system that you still see today that is NOT a positional number system. Does this number system have a digit for zero? Why or why not?

Give the definition of acronym.

Give an example (not found on this page) of an acronym you use frequently and its meaning.

In the computer world, what does the acronym RAM stand for?

What does ROM stand for?

Use one of the two acronyms above to fill in the blank: When the program Microsoft Word is started, its machine language instructions are copied from the hard disk and loaded into \_\_\_\_\_\_\_\_\_.

How many bits in a byte?

How many bytes in a Kbyte?

How many Kbytes in a megabyte?

How many megabytes in a gigabyte?

|  |  |  |  |
| --- | --- | --- | --- |
| **Storage amounts:** | **Approximate  # of bytes:** |  | **Storage amounts from leftmost column listed in order from smallest to largest:** |
| ***0.8 GB*** |  |  |  |
| ***2 MB*** |  |  |  |
| ***1 Kbyte*** |  |  |  |
| ***360 MB*** |  |  |  |
| ***3,200 Kbytes*** |  |  |  |
| ***30,000 bytes*** |  |  |  |
| ***40,000 bits*** |  |  |  |