HOMEWORK 1

1. Name three general purpose programming languages that are currently widely used.

2. Name three special purpose programming languages and their domain of applications.

3. What are the three important criteria for evaluating programming languages.

4. Name two important factors that increase the writability of programming languages.

5. Name two Java language features that increase the reliability of Java programs.

6. In Java language, name one language feature that increases readability and one feature that decreases readability.

Name two ways in which the choice of programming language affects the software development cost.

8. Name four important programming language paradigms and give one example language for each paradigm.

9. Name two important features of object oriented languages such as Java that make them suitable for large scale software development.

10. Name two important programming language translation methods and give example of one widely used language for each translation method.

11. Explain why compiled programs usually run faster than interpreted programs.

environment.

13. What is the first high level programming language.

14. What is the first programming language that described its syntax formally.

15. What programming language was mainly used for business applications.

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16. What programming language was designed with the support of the U.S. government.

Aba

17. What language developed in the 50's is still used in science/engineering applications.

Fortran

18. Name two programming languages that were mainly used for teaching purposes.
Pascal & Basic
19. What is the first object oriented programming language.
Simula
20. Name two object oriented programming languages other than Java.
C++ & Simula
21. Name the companies where C, C++, and Java originated. - Bell Lobs for C & C++
- Sun Micro System for Java
22. Name the important people who developed C, C++, and Java. - CWWS Jeveloped by Dennis Ritchie in 1972 - C++ was Jeveloped by Bjorne Stroustrupin 1985 - Java was Jeveloped by James Gosling in 1994 23. Name two object oriented programming languages that influenced the design of Java. C++ & Small Talk
24. When and by whom were the web related languages JavaScript and PHP developed. - Javascript was devloped by Brandon Fich in 1995
- PHP was developed by Rasmus Ledont in 1994
25. When and by whom were the markup languages HTML and XML developed.
- Tim Berners - Lee developed HTML in 1993 - XML was developed by W3C CWORLD wide web
consortium) in 1998