DIFFERENCES BETWEEN SYSTEM PROGRAMMING AND APPLICATION PROGRAMMING

The primary distinguishing characteristic of systems programming when compared to application programming is that application programming aims to produce software which provides services to the user directly (e.g. word processor), whereas systems programming aims to produce software and software platforms which provide in directly.

DIFFERENCESE BETWEEN INTERPRETER AND COMPLIER

Interpreter translates just one statement of the program at a time into machine code. Compiler scans the entire program and translates the whole of it into machine code at once. An interpreter takes very less time to analyze the source code. ... A compiler always generates an intermediary object code.

Interpreters usually take less amount of time to analyze the source code. However, the overall execution time is comparatively slower than compilers. Compilers usually take a large amount of time to analyze the source code. However, the overall execution time is comparatively faster than interpreters.

On the surface, the difference between interpreting and translation is only the difference in the medium: the interpreter translates orally, while a translator interprets written text. Both interpreting and translation presuppose a certain love of language and deep knowledge of more than one language.

GIVE TWO EXAMPLE OF THE ABOVE EACH

EXAMPLE OF SYSTEM PROGRAMING

Operating system

Firm ware

EXAMPLE OF application PROGRAMING

Python

Visual studio

EXAMPLE OF complier PROGRAMING

C++

java

EXAMPLE OF SYSTEM PROGRAMING

Javascript

python