

Types of Software

Q1. What is software? Name different type of software?

ANS1. Software is a programming part of computer. Which is specific set of instructions to tell the other part of computer how to function..

There are 3 Types of software's

1. Application software
2. System software
3. Utility software



Q2. What is deadlock?

ANS2. In computer system deadlock is a situation when no processes is being execute because in multiprogramming environment each process is holding a resource and waiting for another resource which is already acquire by some other process. In other word for execution of every process, need of resources > availability of resources.

Q3. what are the difference between compiler and interpreter.

ANS3. There are following 4 necessary conditions for the occurrence of deadlock. If following four conditions occur simultaneously this is possibility that your system is in deadlock.

1. Mutual Exclusion
2. Hold and Wait

3. No preemption
4. Circular wait

Q4. what are the necessary conditions for deadlock?

Ans4-

Compiler	Interpreter
converts the whole program in one go on.	Converts the program by taking a single line at a time.
It produced machine code before execution.	It does not produce machine code.
Error display after checking entire program.	Error display after checking every single line of program.
Ex- C, C++, java compiler.	Ex- BASIC, PYTHON.

Q5. Define Operating System

ANS5- operating system is type of system software which is used to provide an interface in between user and hardware. It is an integrated set of programs that controls the set of resources like CPU, memory, I/O devices. The fundamental goal of the operating system is to execute the program. Ex- DOS, WINDOW, LINUX, UNIX etc.

