What is Multi-tasking?

Performing multiple task at a time simultaneously.

What are the types of multi-tasking?

Process-based: Executing several task simultaneously, where each task is a separate independent process.

Example:

1. Type a prgram in editor

2. Can listen some song

3. Can download song from internet

Best suitable at OS level

Thread-based – Executing multiple task simultaneously, where each task is a separate independent part of the same program.

Example: Processing a file.

What is the advantage of multi-tasking?

To increase the performance by reducing the response time of the system.

What is main-objective of multi-tasking?

Keep you processor always busy or to reduce the ideal time of process.

What is thread?

A seperate flow of execution, for every thread a separate independent job is there.

What are the way to define a Thread

1. By extends Thread class

2. By implementing Runnable interface