**Part 87 Advantages and disadvantages of multithreading**

In this video we will discuss the **advantages and disadvantages of multithreading**. This is continuation to [Part 86](http://csharp-video-tutorials.blogspot.com/2014/03/part-86-multithreading-in-c.html). Please watch [Part 86](http://csharp-video-tutorials.blogspot.com/2014/03/part-86-multithreading-in-c.html) before proceeding.  
  
**Advantages of multithreading:**  
**1.** To maintain a responsive user interface  
**2.** To make efficient use of processor time while waiting for I/O operations to complete.  
**3.** To split large, CPU-bound tasks to be processed simultaneously on a machine that has multiple CPUs/cores.

**Disadvantages of multithreading:**  
**1.** On a single-core/processor machine threading can affect performance negatively as there is overhead involved with context-switching.  
**2.** Have to write more lines of code to accomplish the same task.

**3.** Multithreaded applications are difficult to write, understand, debug and maintain.

**Please Note:** Only use multithreading when the advantages of doing so outweigh the disadvantages.