Asynchronous programming- is prog. Technique that allows code to be executed concurrently without blocking execution of calling thread. Using Async prog. We can serve more http requests on the web server and each request is handled by thread and multiple threads can handle multiple http requests by avoiding thread blocking.

Async- keyword marks a method as asynchronous, meaning it can be run in background while another code executing.

Await- when marking a method as async, use await keyword to indicate that method should wait for the result of asynchronous operation before continuing.

Thread- is a sequence of instructions that can be executed independently of other code. Thread are independent within the process, so we can have several threads.

Multithreading- executing multiple threads simultaneously.

Task vs Task<T>- both are return type of asynchronous method.
Task used for methods that do not return value, while Task<T> used for methods that do return value of type T, T can be any datatype(string, int).