# Lab: Asynchronous Programming

This document defines the **in-class exercises** assignments for the ["C# Web Development Basics" course @ Software University](https://softuni.bg/courses/csharp-web-development-basics).

1. **Even Numbers Thread**

Print all even numbers in a given range. Printing should be executed on a separate thread. After finishing print "Thread finished work".

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 1 10 | 2  4  6  8  10  Thread finished work |

### Hints

Use the Thread class and its methods Start() and Join().

1. **Slice File**

Slice given file into given number of pieces. You will receive the name of the file, the destination folder to keep the pieces and the number of pieces.

While executing the operation the console interface should stay responsive.

### Examples

|  |  |
| --- | --- |
| C:\Users\RalitsaDelcheva\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ZoomIt64_2017-09-03_16-04-23.png | C:\Users\RalitsaDelcheva\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ZoomIt64_2017-09-03_16-05-31.png |

## Simple Web Server

Write a simple web server that receives requests from a client. Print the request to the console and send a message to the client.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| C:\Users\RalitsaDelcheva\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ZoomIt64_2017-09-05_20-05-53.png | C:\Users\RalitsaDelcheva\AppData\Local\Microsoft\Windows\INetCache\Content.Word\ZoomIt64_2017-09-05_19-58-26.png |
|  |

Note: Sent data may not be accepted by every browser (cough \*chrome\* cough).