Faculty of engineering - Shoubra
Benha University

Report of Operating Systems Project

Name: *Abdelghany Ahmed Abdelghany Qotb*

B.N: *478*

Topic: *Operating Systems*

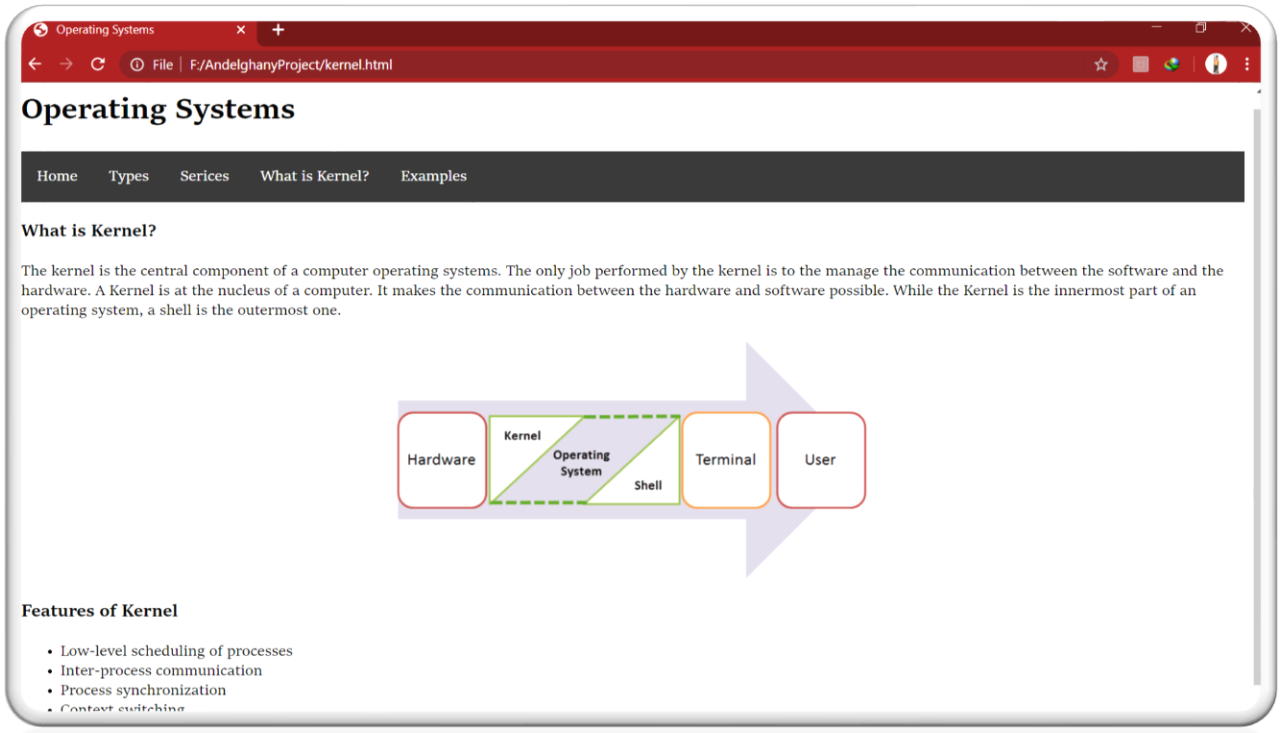
Date: *May 27, 2020*

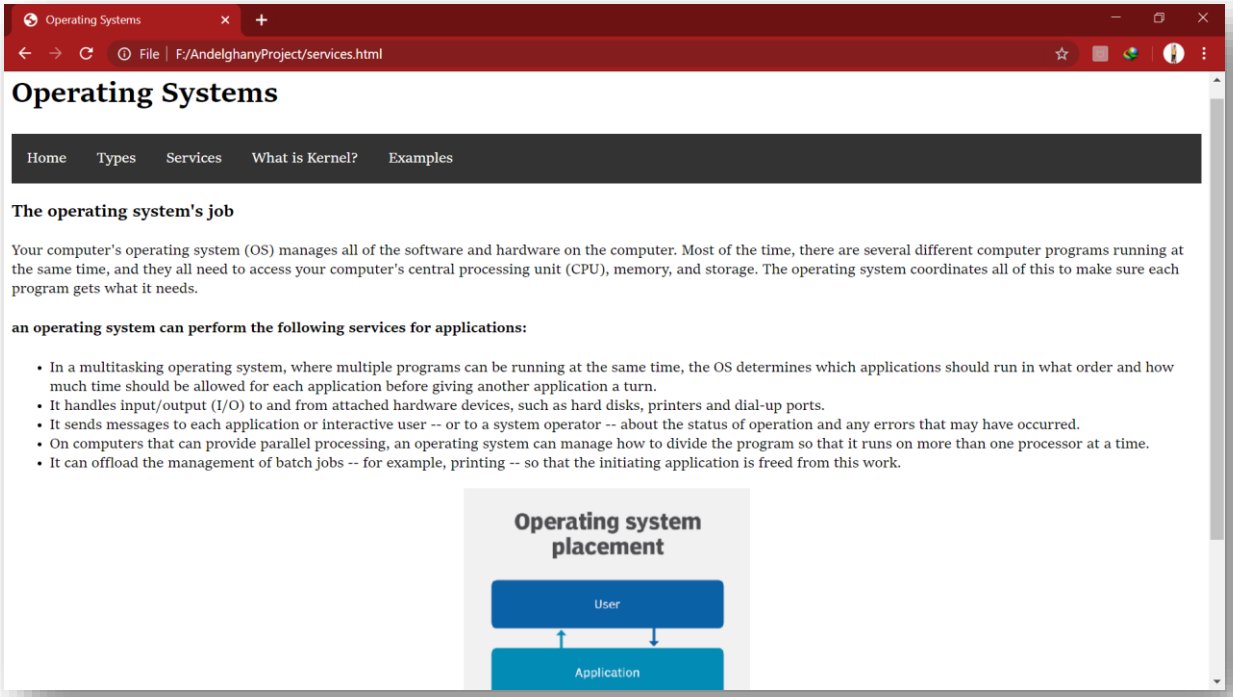
Project URL on Github: https://abdelghany111.github.io/html-Project/

Application Brief:

An operating system is the primary software that manages all the hardware and other software on a computer. The operating system, also known as an "OS," interfaces with the computer's hardware and provides services that applications can use. An operating system is the core set of software on a device that keeps everything together. Operating systems communicate with the device's hardware. They handle everything from your keyboard and mice to the Wi-Fi radio, storage devices, and display. In other words, an operating system handles input and output devices. Operating systems use device drivers written by hardware creators to communicate with their devices.

Screenshots:





Operating Systems

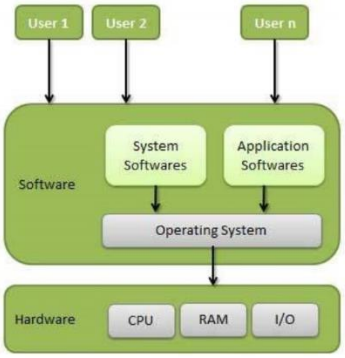
File | F:/AndelghanyProject/index.html

Operating Systems

Home Types Serices What is Kernel? Examples

What is operating System?

An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all of the other application programs in a computer. The application programs make use of the operating system by making requests for services through a defined application program interface (API). In addition, users can interact directly with the operating system through a user interface, such as a command-line interface (CLI) or a graphical UI (GUI).



Operating Systems

File | F:/AndelghanyProject/examples.html

Home Types Serices What is Kernel? Examples

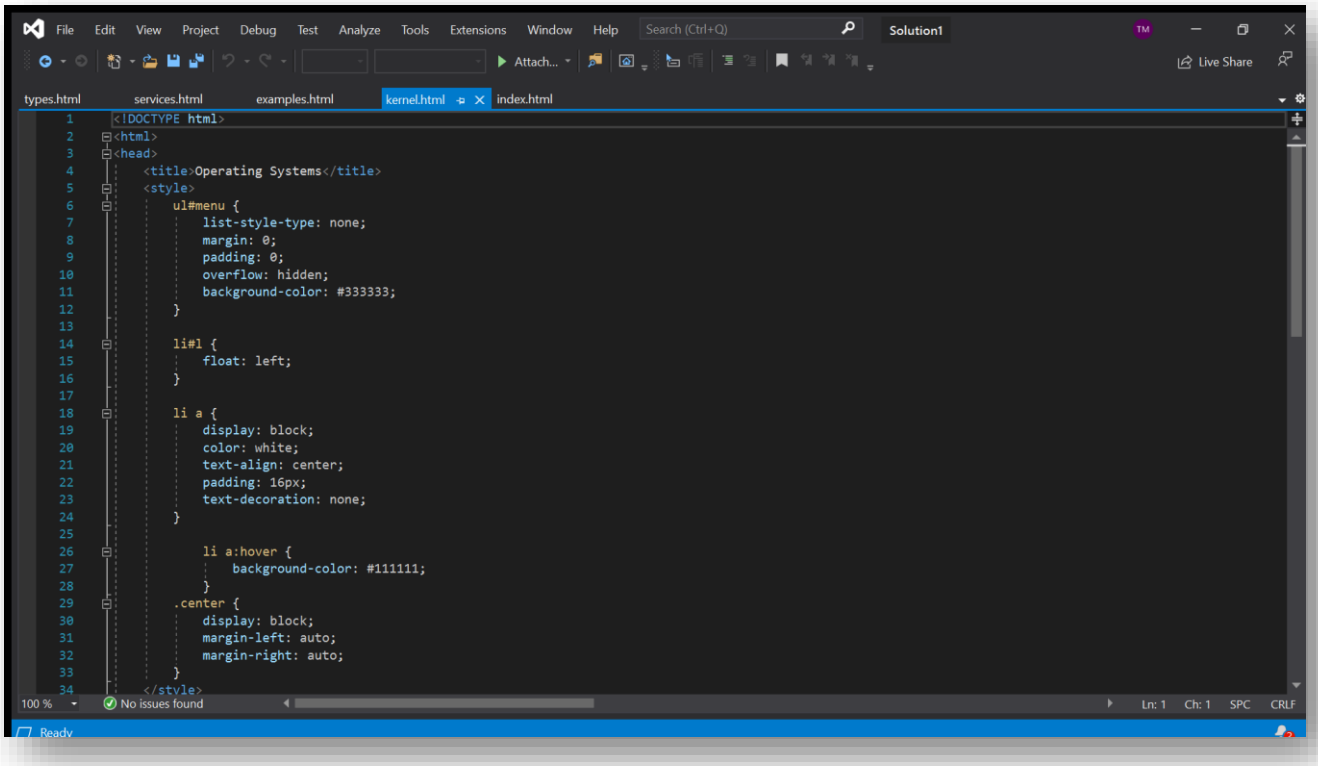
Here is a list of Operating Systems with the latest MarketShare:

OS Name	Share
Windows	40.34
Android	73.95
iOS	15.44
Mac OS	4.34
Linnux	0.95

```
    <h1> Operating Systems</h1>
    <ul id="menu">

        <li id="l"><a href="index.html">Home</a></li>
        <li id="l"><a href="types.html">Types</a></li>
        <li id="l"><a href="services.html">Serices</a></li>
        <li id="l"><a href="kernel.html">What is Kernel?</a></li>
        <li id="l"><a href="examples.html">Examples</a></li>
    </ul>
    <h3>Types of operating Systems</h3>
<ul id="m2">
    <li>Batch Operating System</li>
    <li>Multitasking/Time Sharing OS</li>
    <li>Multiprocessing OS</li>
    <li>Real Time OS</li>
    <li>Distributed OS</li>
    <li>Network OS</li>
    <li>Mobile OS</li>

</ul>
```

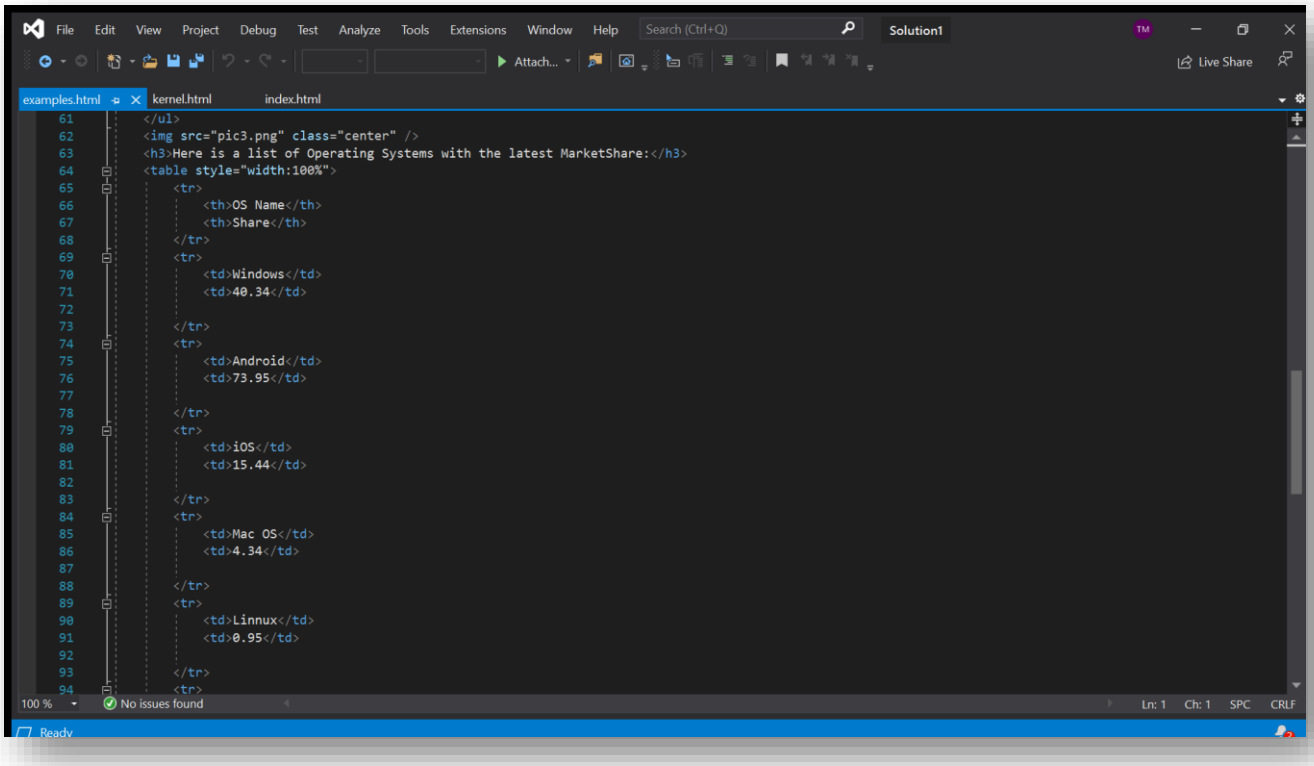



```
    <h1> Operating Systems</h1>
    <ul id="menu">

        <li id="l"><a href="index.html">Home</a></li>
        <li id="l"><a href="types.html">Types</a></li>
        <li id="l"><a href="services.html">Services</a></li>
        <li id="l"><a href="kernel.html">What is Kernel?</a></li>
        <li id="l"><a href="examples.html">Examples</a></li>
    </ul>
    <h3>The operating system's job</h3>
    <p>Your computer's operating system (OS) manages all of the software and hardware on the computer. Most of the time, there are several different computer
    <h4>an operating system can perform the following services for applications:</h4>
    <ul>
        <li>In a multitasking operating system, where multiple programs can be running at the same time, the OS determines which applications should run in wh
        <li>It handles input/output (I/O) to and from attached hardware devices, such as hard disks, printers and dial-up ports.</li>
        <li>It sends messages to each application or interactive user -- or to a system operator -- about the status of operation and any errors that may have
        <li>On computers that can provide parallel processing, an operating system can manage how to divide the program so that it runs on more than one proc
        <li>It can offload the management of batch jobs -- for example, printing -- so that the initiating application is freed from this work.</li>
    </ul><img src="pic2.png" width="300" height="400"  class="center"/>
</body>
</html>
```

```
    <h3>What is Kernel?</h3>

    <p>The kernel is the central component of a computer operating systems. The only job performed by the kernel is to the manage the communication between t
    <img src="pic4.png" class="center" height="250"/>
    <h3>Features of Kernel</h3>
    <ul>
        <li>Low-level scheduling of processes</li>
        <li>Inter-process communication</li>
        <li>Process synchronization</li>
        <li>Context switching</li>
    </ul>
</body>
</html>
```




```
    <h1> Operating Systems</h1>
    <ul id="menu">

        <li id="l"><a href="index.html">Home</a></li>
        <li id="l"><a href="types.html">Types</a></li>
        <li id="l"><a href="services.html">Serices</a></li>
        <li id="l"><a href="kernel.html">What is Kernel?</a></li>
        <li id="l"><a href="examples.html">Examples</a></li>
    </ul>

    <h3>What is operating System?</h3>
    <p>An operating system (OS) is the program that, after being initially loaded into the computer by a boot program, manages all of the other application p
    <img src="pic1.jpg"  class="center"/>

</body>
</html>
```