What is a kernel windows_priv

A kernel is a computer program that serves as the core or heart of an operating system. It manages memory management, task management, and disk management.

An operating system has the following separated spaces:

- **Kernel Space:** A kernel is typically maintained and loaded into a distinct memory region referred to as protected Kernel space. It is secured against access by application programs or less critical components of the operating system.
- **User Space:** The operating system (OS) is the software that acts as a bridge between hardware components and the end-user. User-space memory is used by application programs such as a browser, word processor, and audio and video player.

lab_link:- windows 7 build 7600

https://archive.org/details/build-7600-rtm

https://stackoverflow.com/questions/44389963/how-to-install-mingw32-on-ubuntu

sudo apt-get install gcc-mingw-w64

i686-w64-mingw32-gcc 40564.c -o MS11–046.exe -lws2_32

Watson tool

https://github.com/rasta-mouse/Watson

https://www.hackingarticles.in/windows-privilege-escalation-kernel-exploit/