TYPE 2 HYPERVISOR WITH HOST OS

EXPERIMENT – 06

AIM:

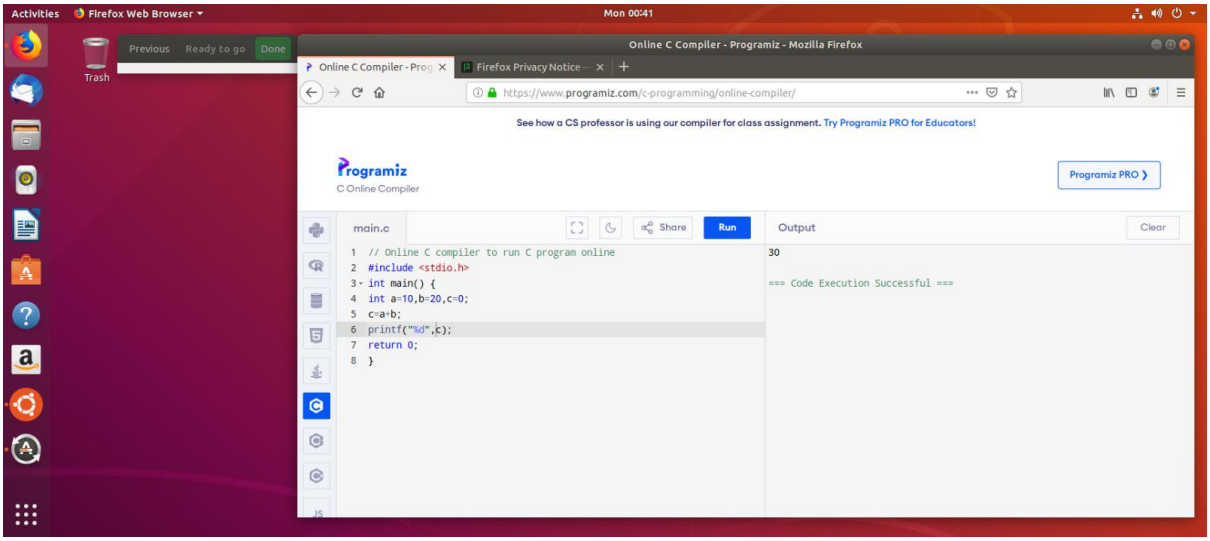
To demonstrate virtualization by installing a Type-2 hypervisor (VirtualBox) and creating a virtual machine image with a guest operating system (Windows or Linux).

PROCEDURE:

1. Download **VMware Workstation Player** (free for non-commercial use) or **VMware Workstation Pro** from the official VMware website. Run the installer on your host machine (Windows/Linux) and follow the steps to complete installation.
2. Open VMware Workstation after installation. On the home screen, click **Create a New Virtual Machine** to start creating your VM.
3. Choose the setup type: select **Typical (recommended)** for easier configuration, then click **Next**.
4. In the next step, choose your installation source. You can insert a physical installation disc or use an **ISO image file** of your chosen guest OS (e.g., Windows ISO or Ubuntu ISO).
5. Enter the product key (if required for Windows) or leave it blank to install manually later, then click **Next**.
6. Enter a name for your virtual machine (e.g., *UbuntuVM* or *Win10VM*) and choose a location on your hard drive where the VM files should be stored. Click **Next** to proceed.
7. Specify the maximum disk size for your virtual hard disk (e.g., 20 GB or more, depending on the OS requirements). Choose whether to store the virtual disk as a single file or split it into multiple files for portability.

8. Review the VM summary page and click **Finish** to create the VM. Your new VM will appear in the list on the main VMware window.
9. Click **Play Virtual Machine** to start the VM. Follow the installation wizard inside the virtual machine to install the guest operating system (Windows or Linux). Complete setup until the OS is fully installed and usable.
10. Finally, install **VMware Tools** inside the guest OS to enable better performance, mouse integration, and additional features like shared folders.

OUTPUT:



RESULT:

Thus, virtualization was successfully demonstrated by installing VMware as a Type-2 hypervisor and creating and configuring a virtual machine image with the chosen operating system.