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NAAC GRADE A+
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UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

(BE-CSE/IT-6th Sem)

Subject Name: Cloud Computing

Subject Code: 21CSP 378

Submitted to:

Er. Rahul Bhandari

Submitted by:

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UID: 21BCS2856

Section: KRG_CC1

Group: B

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Ex. No	Name of Experiments	Date	Conduct (MM: 12)	Viva (MM: 10)	Worksheet (Record) (MM: 8)	Total (MM: 30)	Remarks	Signature (with date)
1.1	Install VirtualBox or VMware Workstation on a Windows 7 or 8 operating system and set up various flavors of Linux or Windows as virtual machines.							
1.2	To install a C compiler within the virtual machine established using VirtualBox and run basic programs.							
1.3	Installation of Cloud Sim tool and IDE.							
1.4	Use of GAE launcher to launch the web applications.							
2.1	Simulate a cloud scenario using Matlab and run a scheduling algorithm.							
2.2	To find a procedure to transfer the files from one virtual machine to another virtual machine							
2.3	Discover a method for initiating a virtual machine using the TryStack (Online OpenStack Demo Version).							
3.1	Install Hadoop single node cluster and run simple applications like word count.							
3.2	Case Studies on Cloud based machine learning solutions in healthcare							
3.3	Lab based Mini Project							

Experiment1.1

Student Name: Rohan Jaiswal **UID: 21BCS2856**
Branch: BE-CSE **Section/Group: 21BCSKRG-CC1_B**
Date of Performance: 17-01-2024 **Semester: 6th**
Subject Name: Cloud Computing **Subject Code: 21CSP-378**

1. Aim:

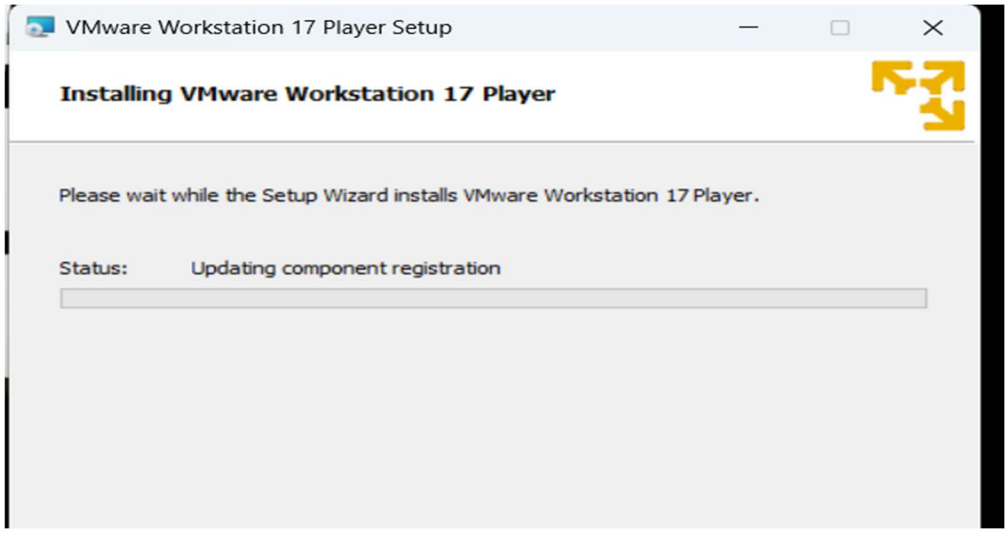
Install VirtualBox or VMware Workstation on a windows 7 or 8 Operating System and set up various flavors of Linux or Windows as virtual machines.

2. Objective:

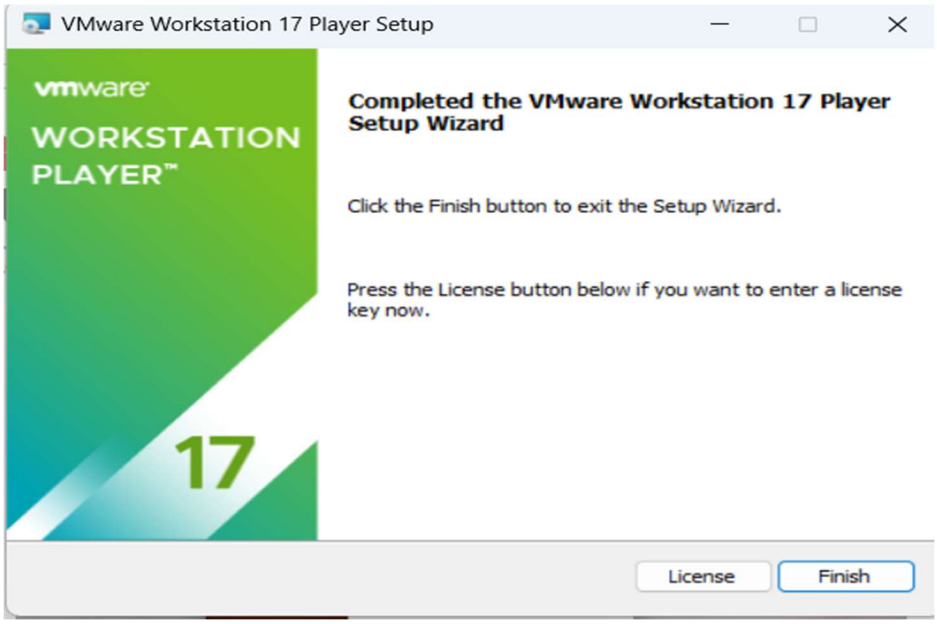
To Install VirtualBox or VMware Workstation on a window and set up various flavors of Linux or Windows as virtual machines.

3. Steps to Install:

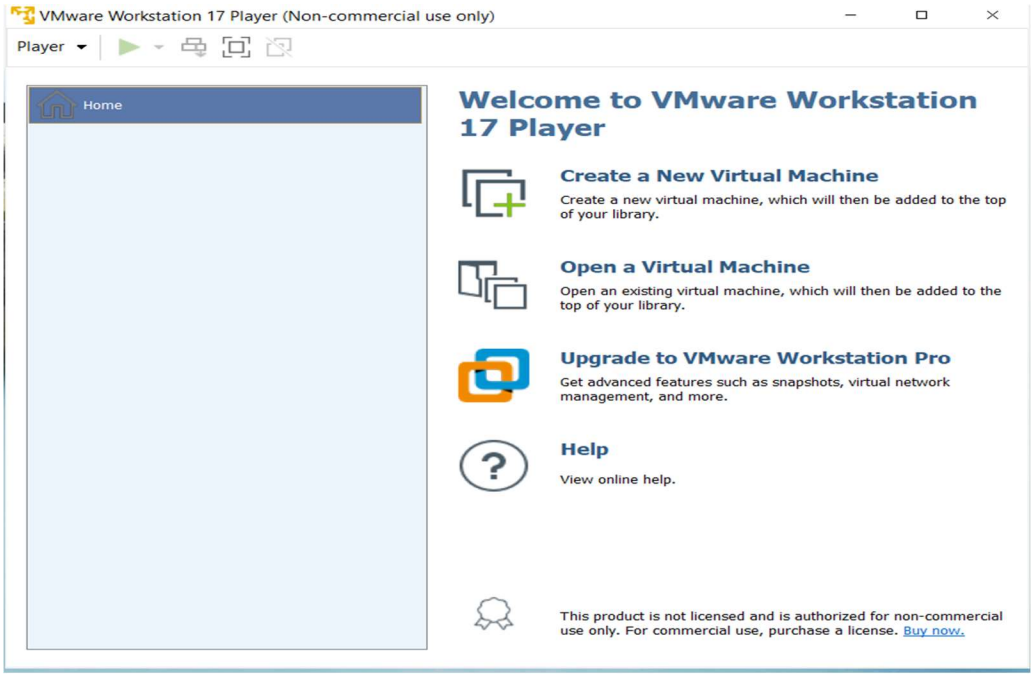
Step 1: Download the virtual box



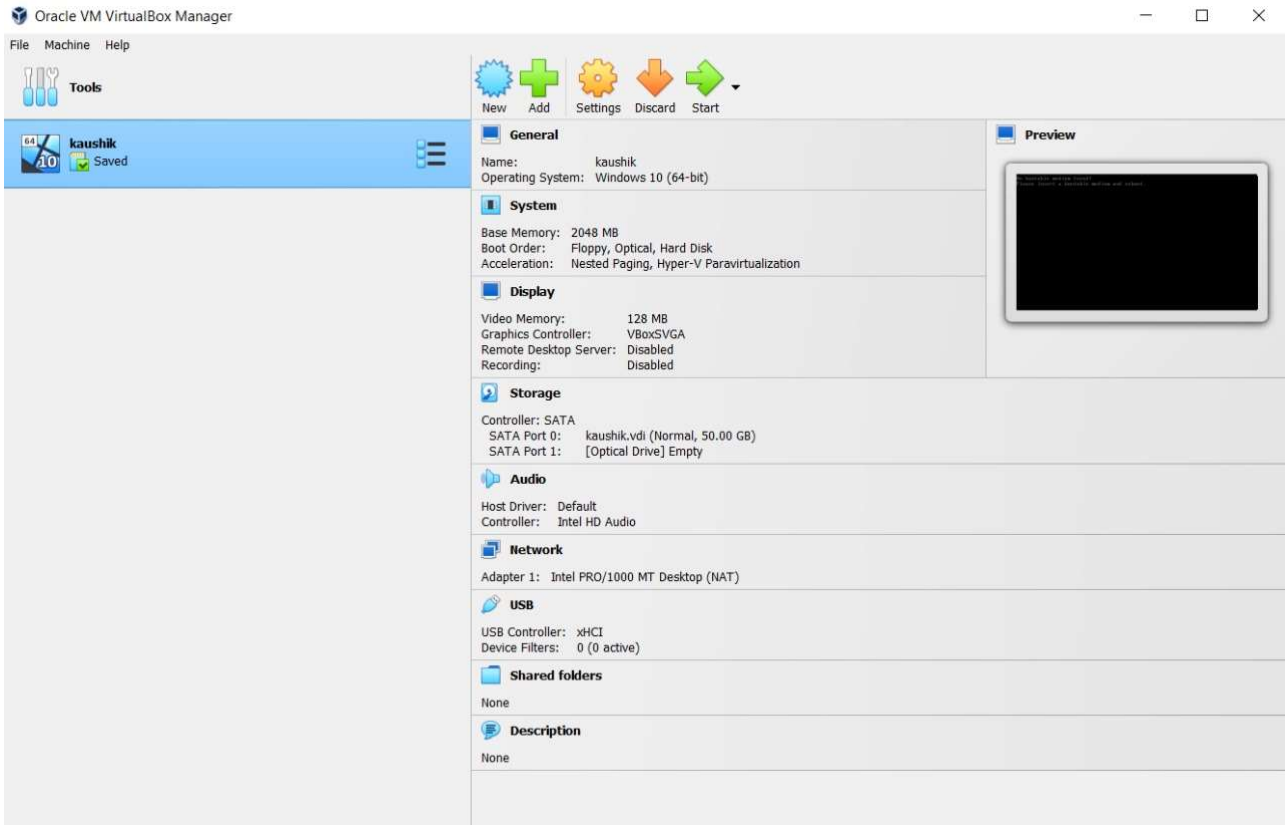
Step 2: once the VMware is download now install it



Step 3: once the VMware is installed click on new



Step 4: Setup all the things with requirements



Learning Outcome:

- Learn how to install VirtualBox
- Understand the concept of Virtualization
- Understand how to create Virtual Machines
- Learned to manage and allocate the system resources like RAM, CPU and Disk Space for Virtual Machines.