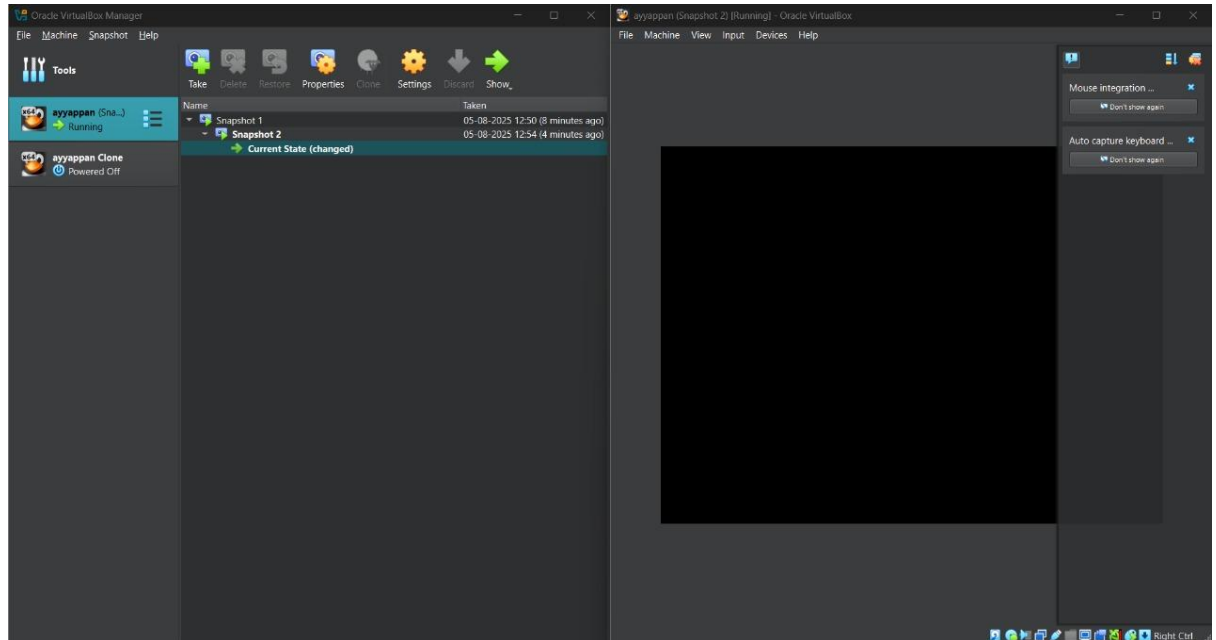# SNAPSHOT

## EXPERIMENT – 15

**AIM:**

To create a snapshot of a virtual machine and test it by restoring to the previous state or by using a cloned VM in Oracle VirtualBox.

**PROCEDURE:**

1. **Open Oracle VirtualBox** on your system.

2. Ensure that the virtual machine is in a powered-off or saved state.

3. Select the virtual machine from the left panel.

4. Click on the **Snapshots** tab located at the top-right of the VirtualBox window.

5. Click on the **Take** button (camera icon) to create a new snapshot.

6. In the **Take Snapshot** dialog box:

   - Enter a **snapshot name** (e.g., "Before Update").
   - Optionally, add a **description** for reference.
   - Click **OK** to save the snapshot.

7. Now, **start the VM** and make some changes — such as installing a new application or modifying settings.

8. To **test the snapshot restoration**:

   - Power off the VM if it's running.
   - Go back to the **Snapshots** tab.
   - Right-click on the snapshot you created and select **Restore**.
   - Confirm the restoration. The VM will revert to the exact state when the snapshot was taken.

9. Alternatively, to test using a **cloned VM**:

   - Right-click the VM in the main list and choose **Clone**.
   - Choose **Full Clone** for a complete copy or **Linked Clone** for a space-saving version.
   - Give the clone a new name and finish the wizard.

- Start the cloned VM and verify its functionality.

**OUTPUT:**



**RESULT:**

Thus, a snapshot of a virtual machine was successfully created and tested by restoring it to the previous state or using a cloned virtual machine in Oracle VirtualBox