- Download and install Oracle Virtualbox for your OS from https://www.virtualbox.org/
- Start virtualbox and setup a virtual machine guided by next few screen dumps

😕 🗊 Penelope-GSS	Penelope-GSS_student - Settings						
📃 General	General						
<ul> <li>System</li> <li>Display</li> <li>Storage</li> <li>Audio</li> <li>Network</li> <li>Serial Ports</li> <li>USB</li> <li>Shared Folders</li> <li>User Interface</li> </ul>	Basic       Advanced       Description       Encryption         Name:       Penelope-GSS_student         Type:       Linux       Image: Penelope-GSS_student         Version:       Ubuntu (32-bit)       Image: Penelope-GSS_student						
	Cancel						

80	😕 💿 Penelope-GSS_student - Settings					
	General	System				
	System	Motherboard Processor Acceleration				
	Display		,			
$\bigcirc$	Storage	Base Memory:	Į			
	Audio	4 MB 8192 MB				
₽	Network	Boot Order: $\bigcirc$ Optical $$				
	Serial Ports	Mard Disk				
Ø	USB	Image: Network				
	Shared Folders	Chipset: PIIX3				
:	User Interface	Pointing Device: USB Tablet				
		Extended Features:  Enable I/O APIC				
		Enable <u>E</u> FI (special OSes only)				
		Hardware Clock in UTC Time				
			5			
		Cancel OK				

80	Penelope-GSS_student - Settings					
	General	Display				
	System	Screen Remote Display Video Capture				
	Display		٦			
$\bigcirc$	Storage					
	Audio	Monitor Count:				
₽	Network					
	Serial Ports	Scale Factor:				
Ø	USB	100%				
	Shared Folders	Acceleration: S Enable <u>3</u> D Acceleration				
:	User Interface	Enable <u>2</u> D Video Acceleration				
		<u>C</u> ancel <u>O</u> K				

😣 🗊 Penelope-GS	5_student - Settings		
📃 General	Storage		
🛒 System	Storage Tree		Attributes
📃 Display	Controller: IDE	<b>@</b>	Name: IDE
😥 Storage			<u>T</u> ype: PIIX4
┝ Audio	Controller: SATA		👿 Use Host I/O Cache
Network			
🐊 Serial Ports			
🏈 USB			
Shared Folders			
🔲 User Interface			
		5 🖨 🕹 🖨	
			<u>C</u> ancel <u>O</u> K

- Run the virtual machine you just created and the guest OS "GSS-2018" will start showing next two screens.
- If you see these screens then you probably should be OK to start with your exercises.



💿 🗗 🖉 🚍 🖳 🛄 🎯 🕑 Right Ctrl



## **Open LXTerminal**



To grant acess o USB media in Linux do

sudo usermod -aG vboxusers <username>

Install VirtualBox Extension Pack to get USB 2.3 & 3.0

The method described here can be used to install VirtualBox Extension Pack on any host operating system including, Windows, Linux, and Mac. VBox extension pack is not an installer and hence is OS independent. It has to be installed from within VirtualBox. From VirtualBox main window, go to **File->Preferences**. This will open VirtualBox Preferences window. Navigate to Extension as shown in the picture below. Install VirtualBox Extension Pack Ubuntu Windows

Setup VirtualBox Extension Pack

Next, click on the small down arrow on the right side of the window (as indicated in the above picture). Navigate and select the Extension Pack you downloaded in the previous step. You will be asked to confirm VirtualBox Extension Pack setup. VirtualBox Extension Pack Installation Warning

