

National Technical University of Ukraine  
“Igor Sikorsky Kyiv Polytechnic Institute”  
Faculty of Informatics and Computer Science  
Department of Information Systems and Technologies

**Laboratory work № 1**

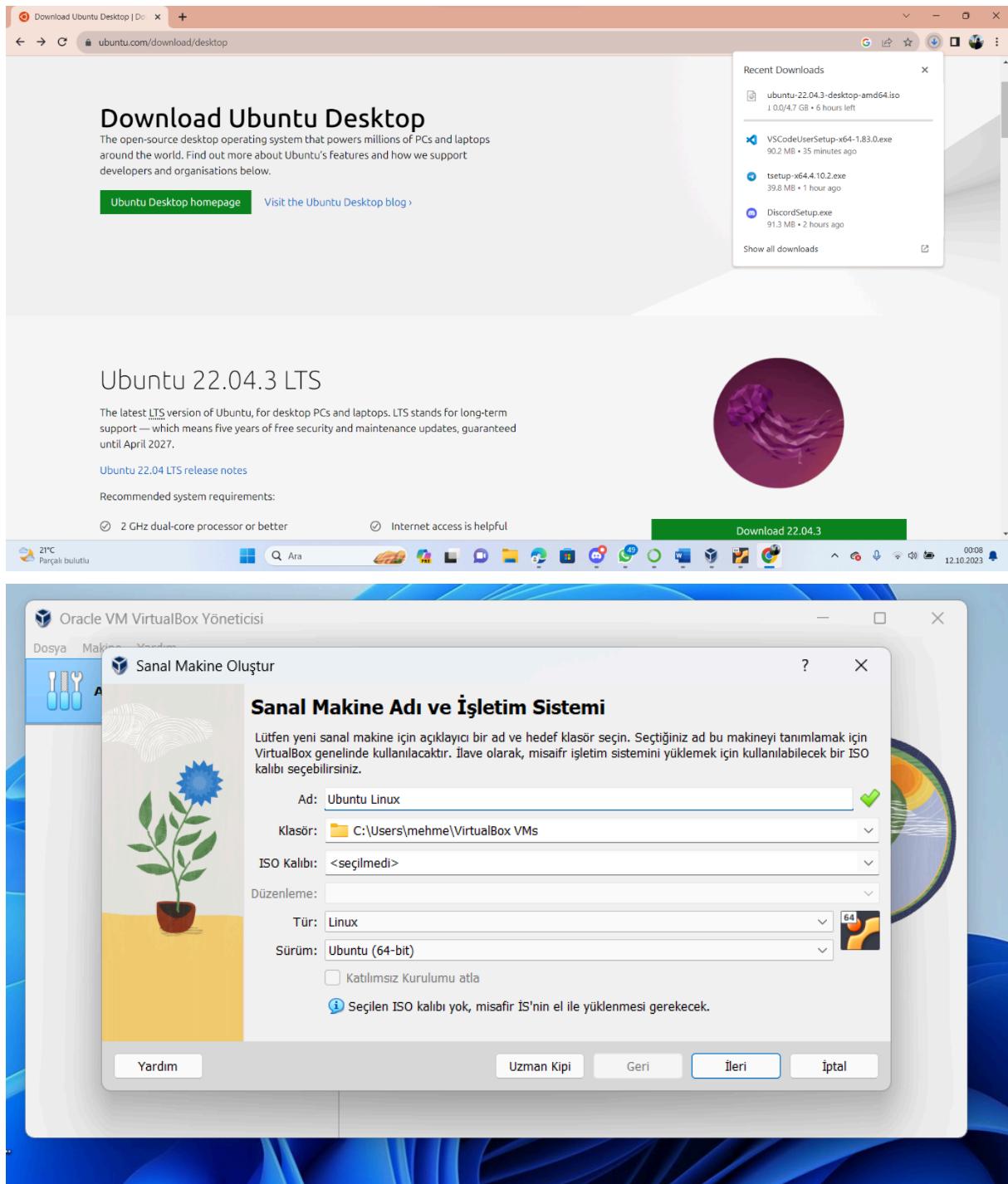
from the discipline «LINUX »

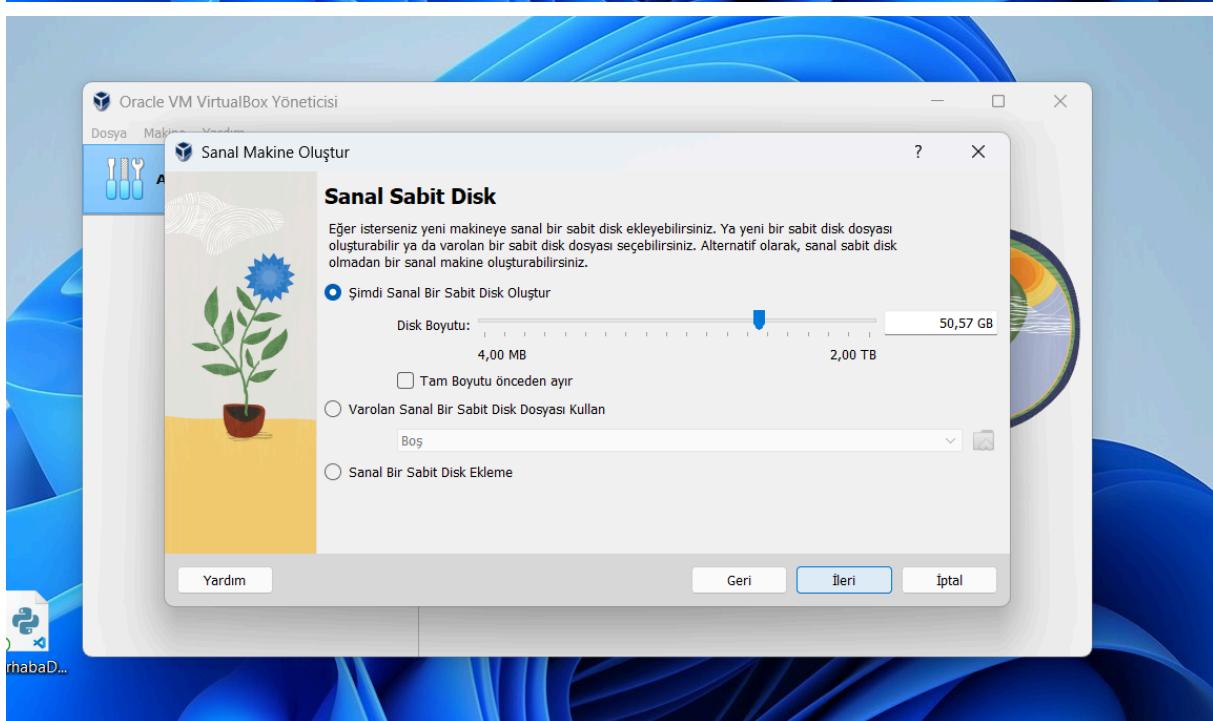
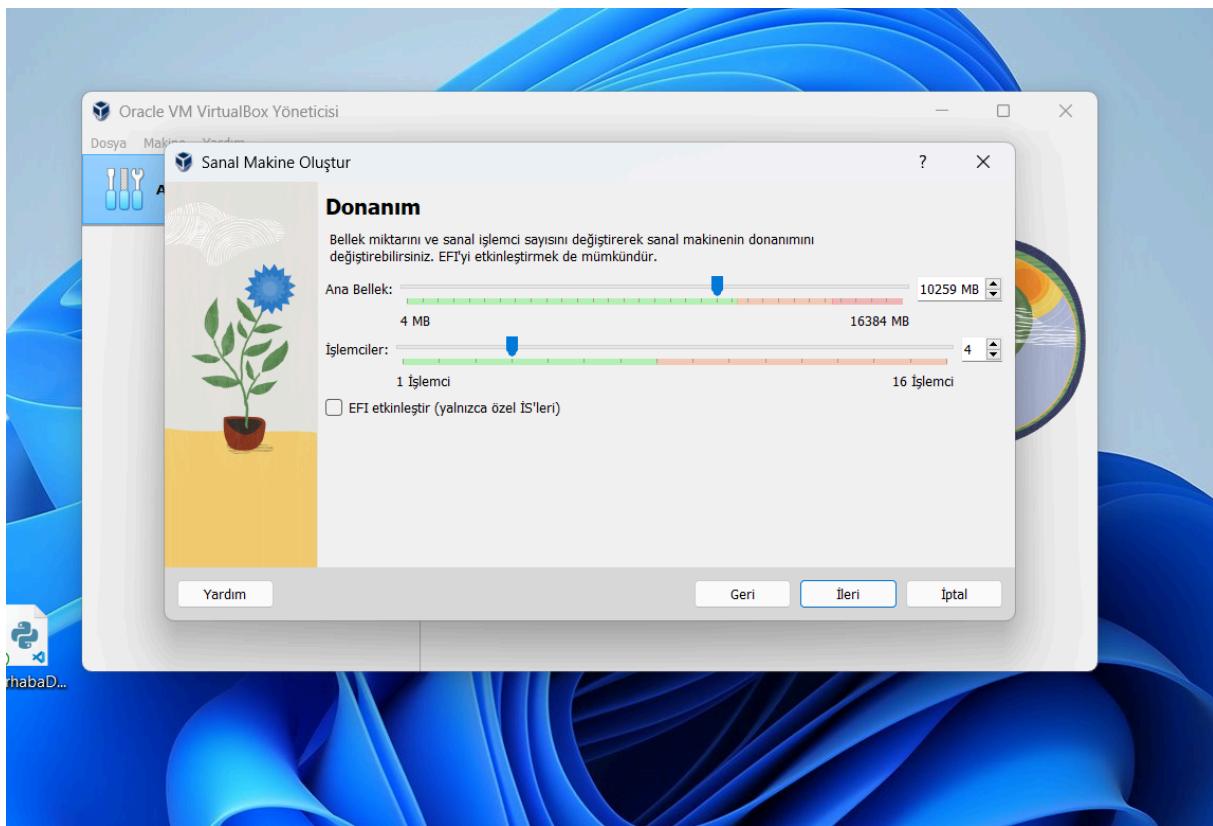
Subject: «Installation of the Linux system Ubuntu»

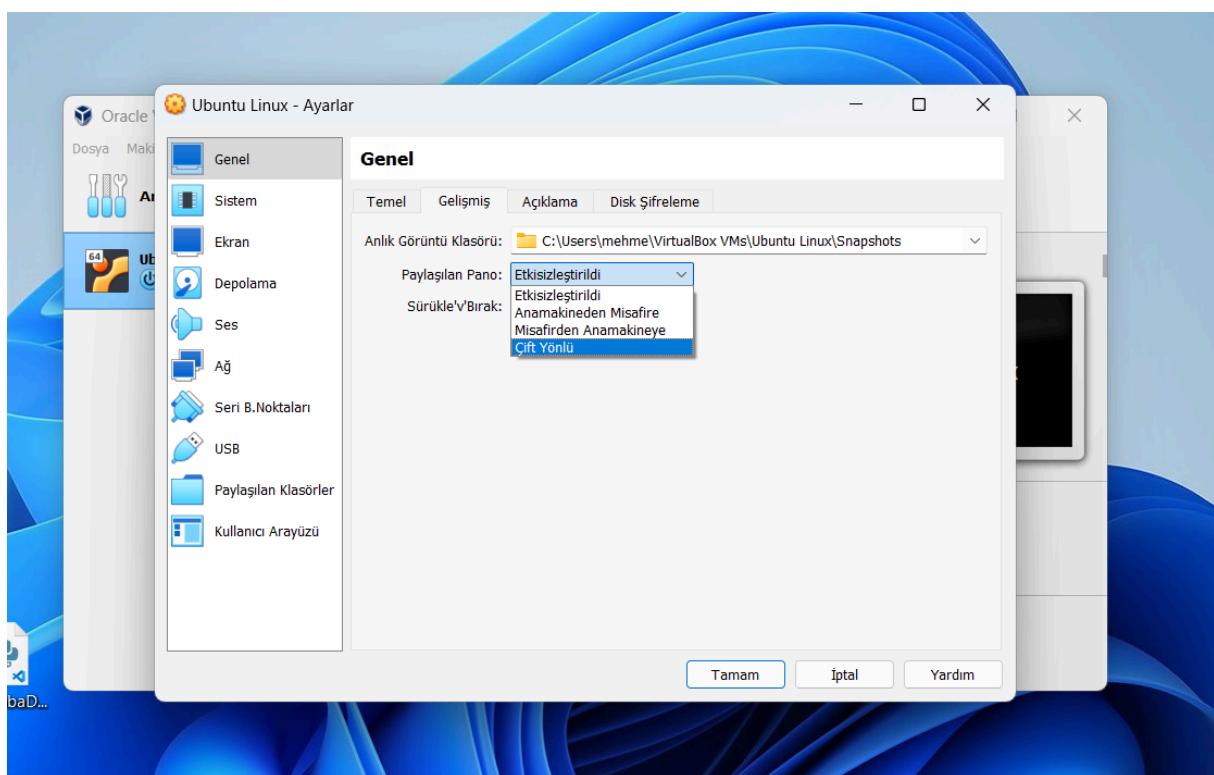
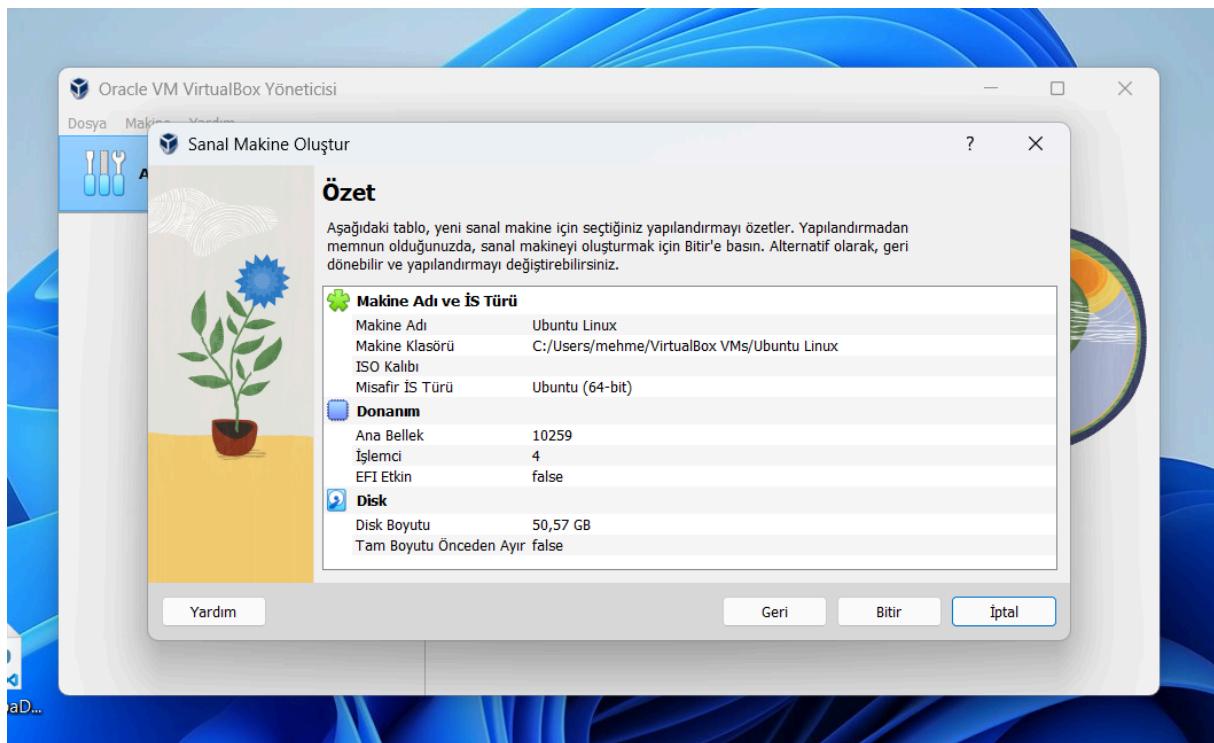
Performed by:	Checked::
student of group IM-14	Senior lecturer of Department ST
Mehmet	Maryna KHMELIUK
KULUBECİOGLU	

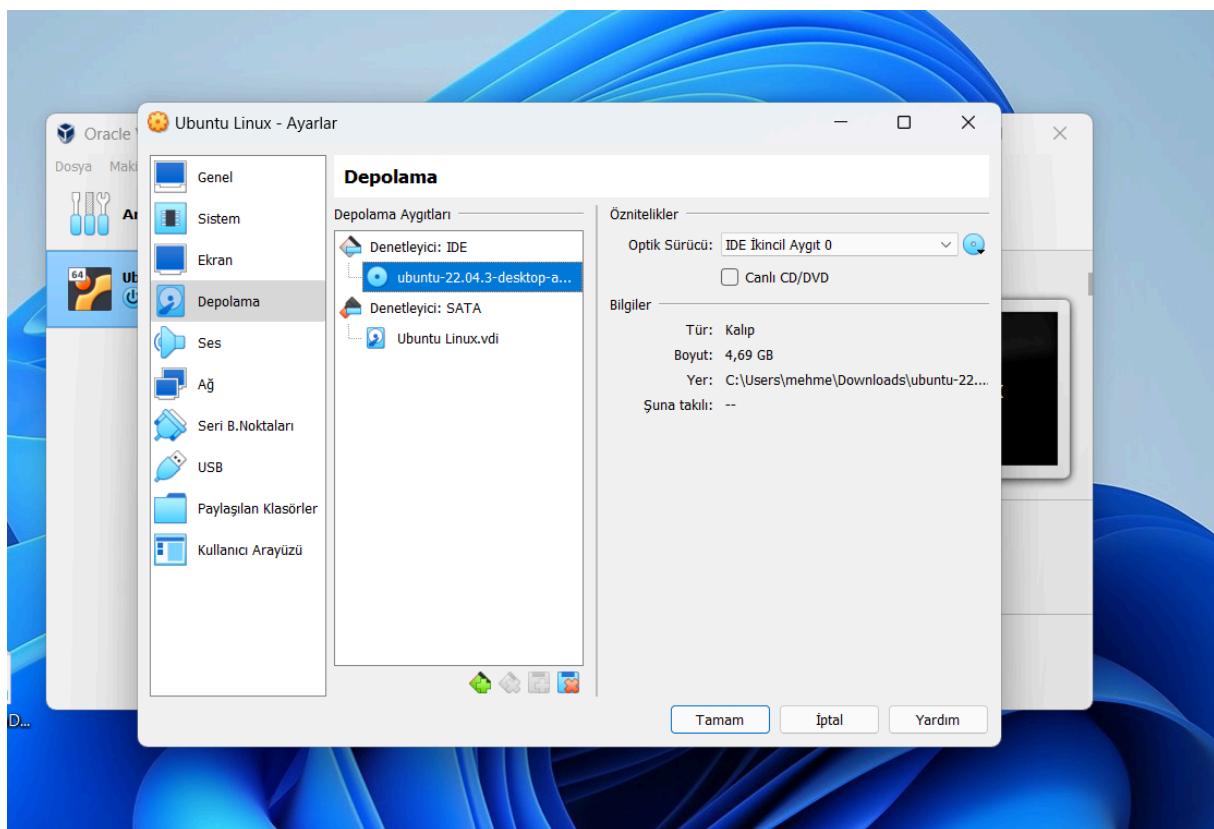
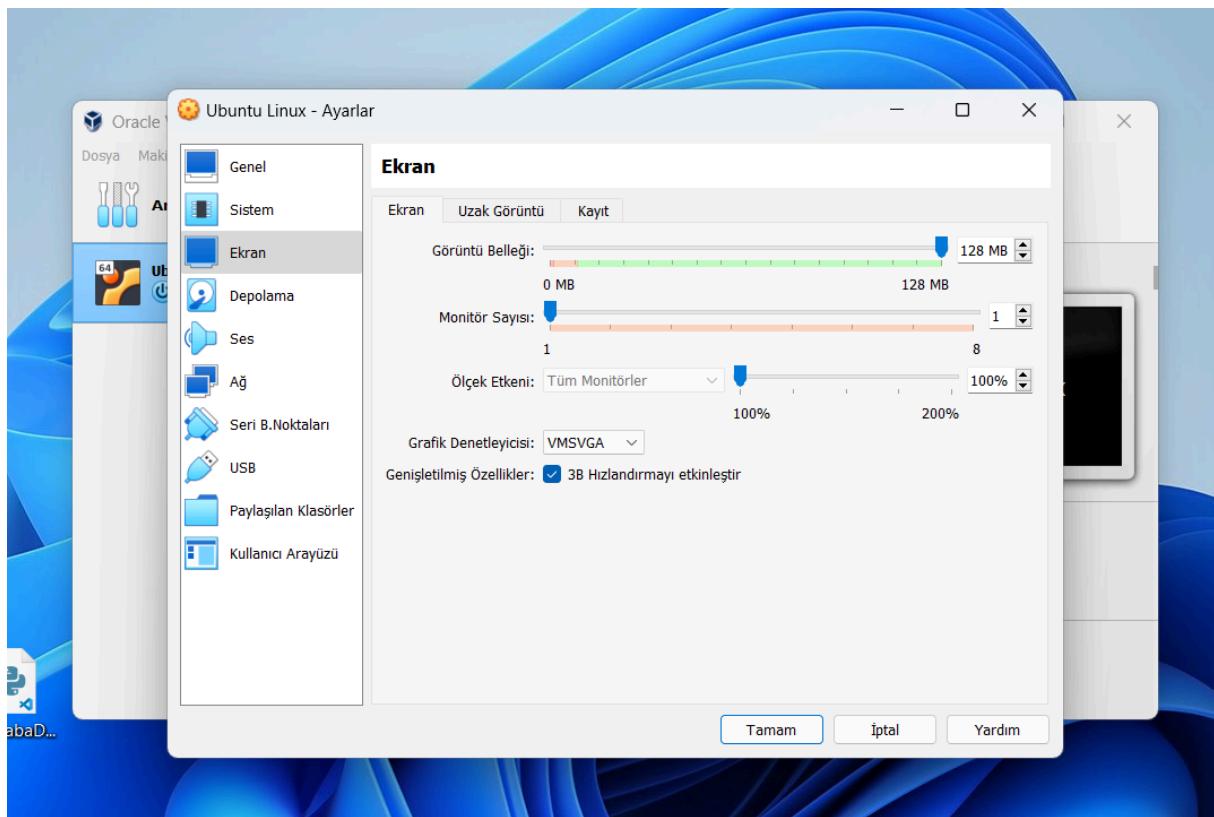
Kyiv, 2023

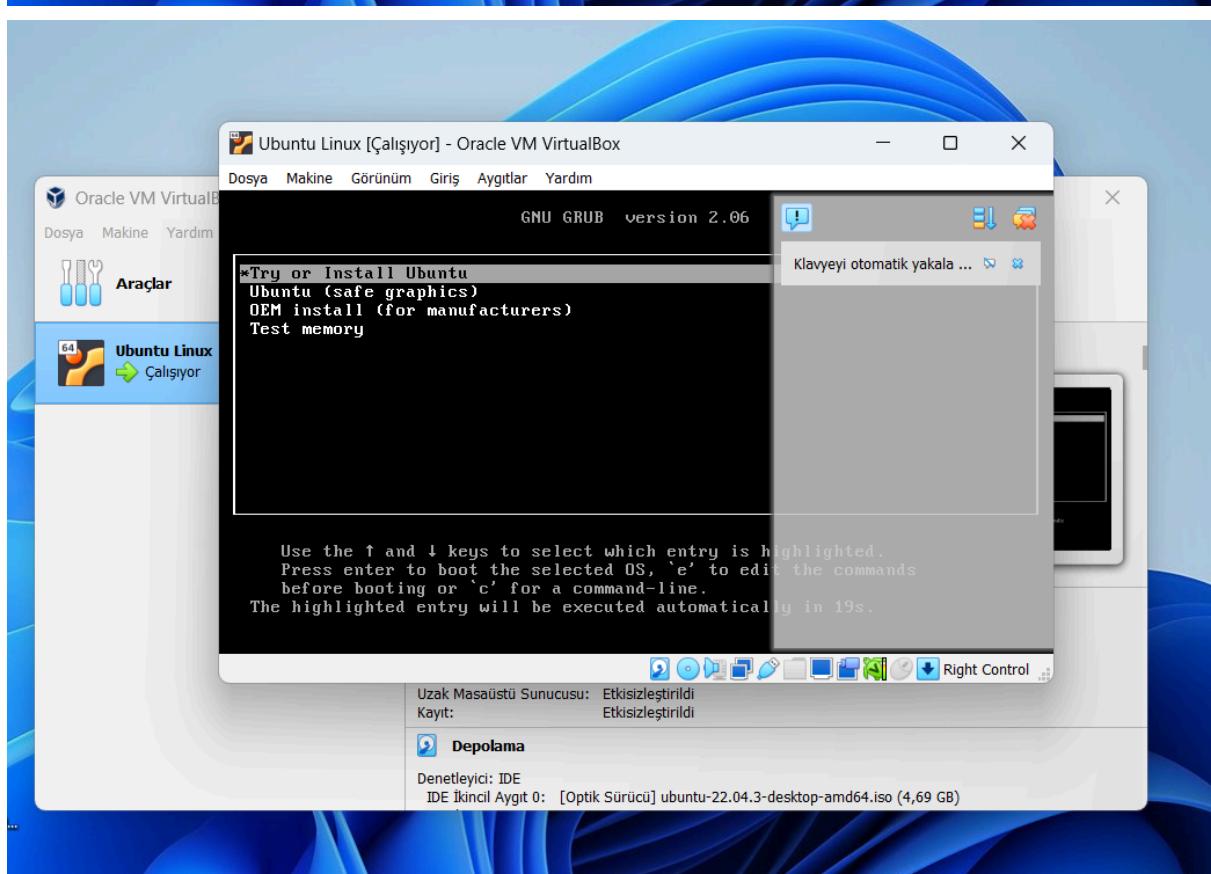
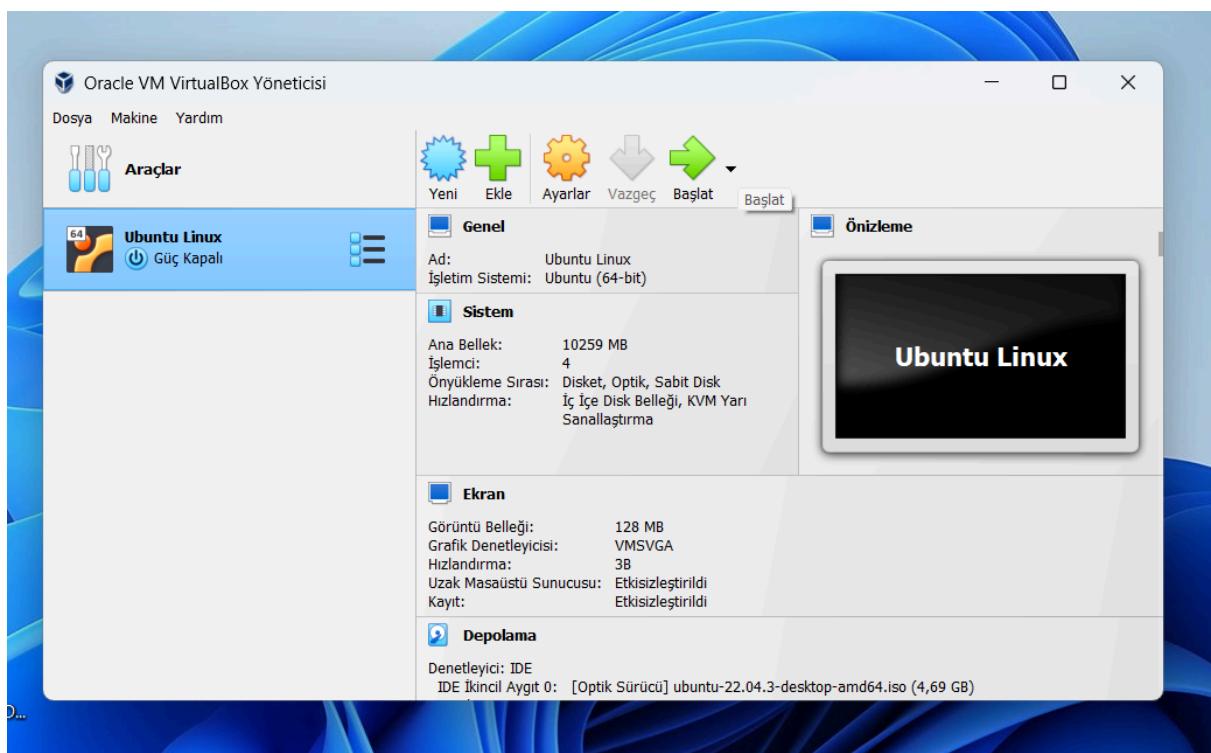
## TASK

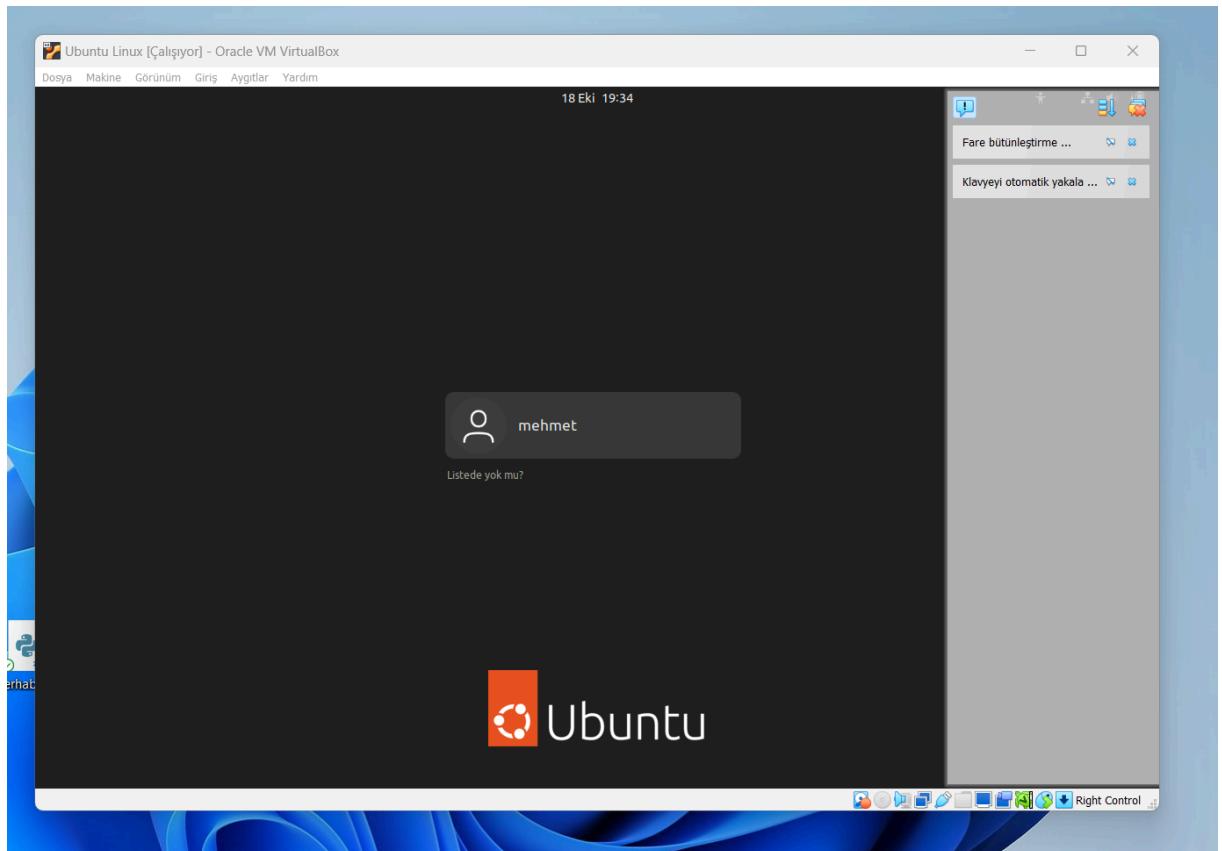
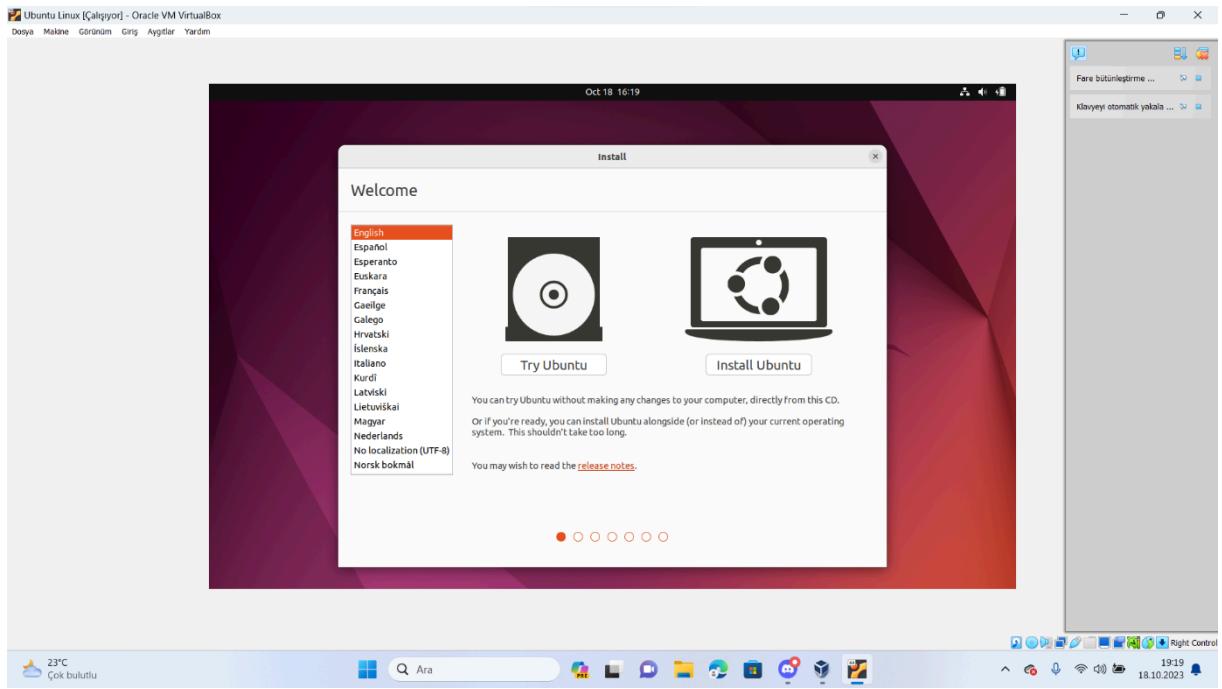


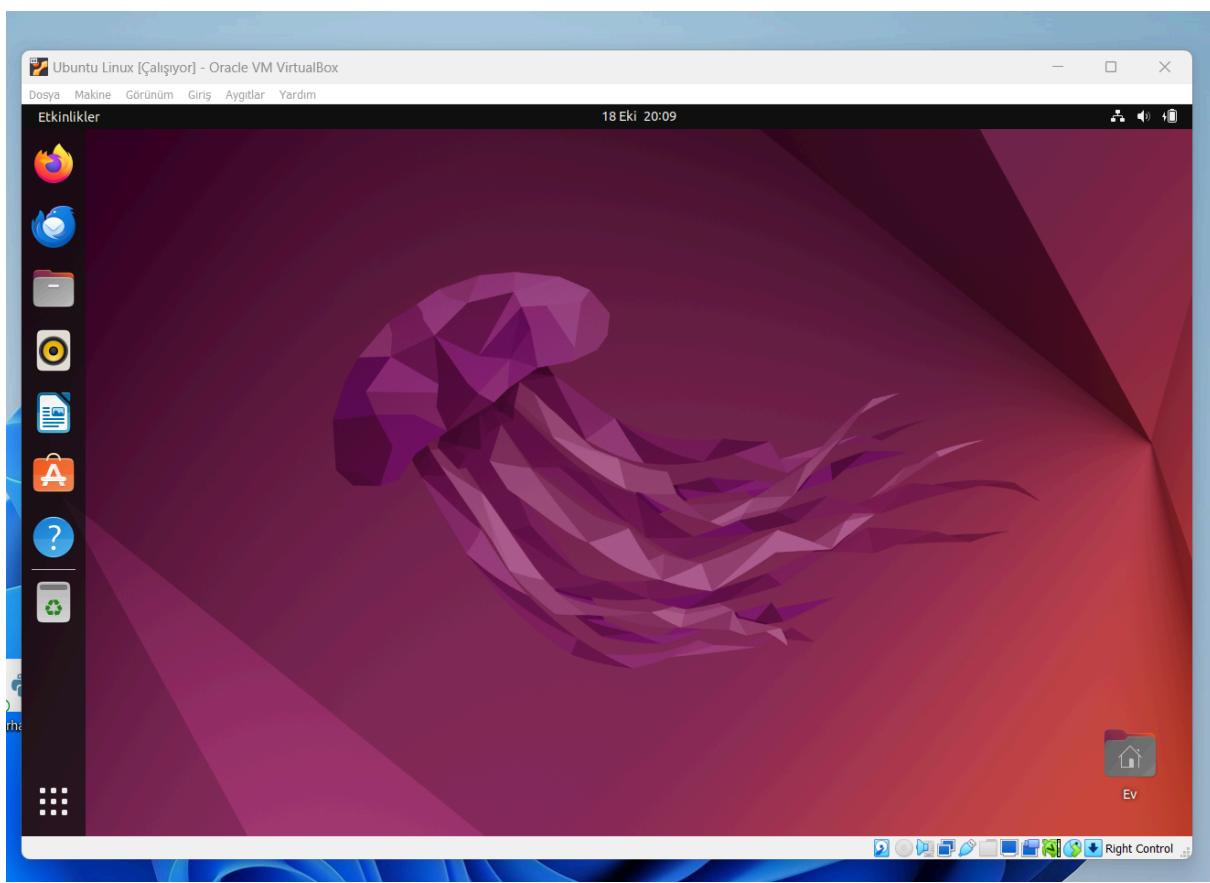
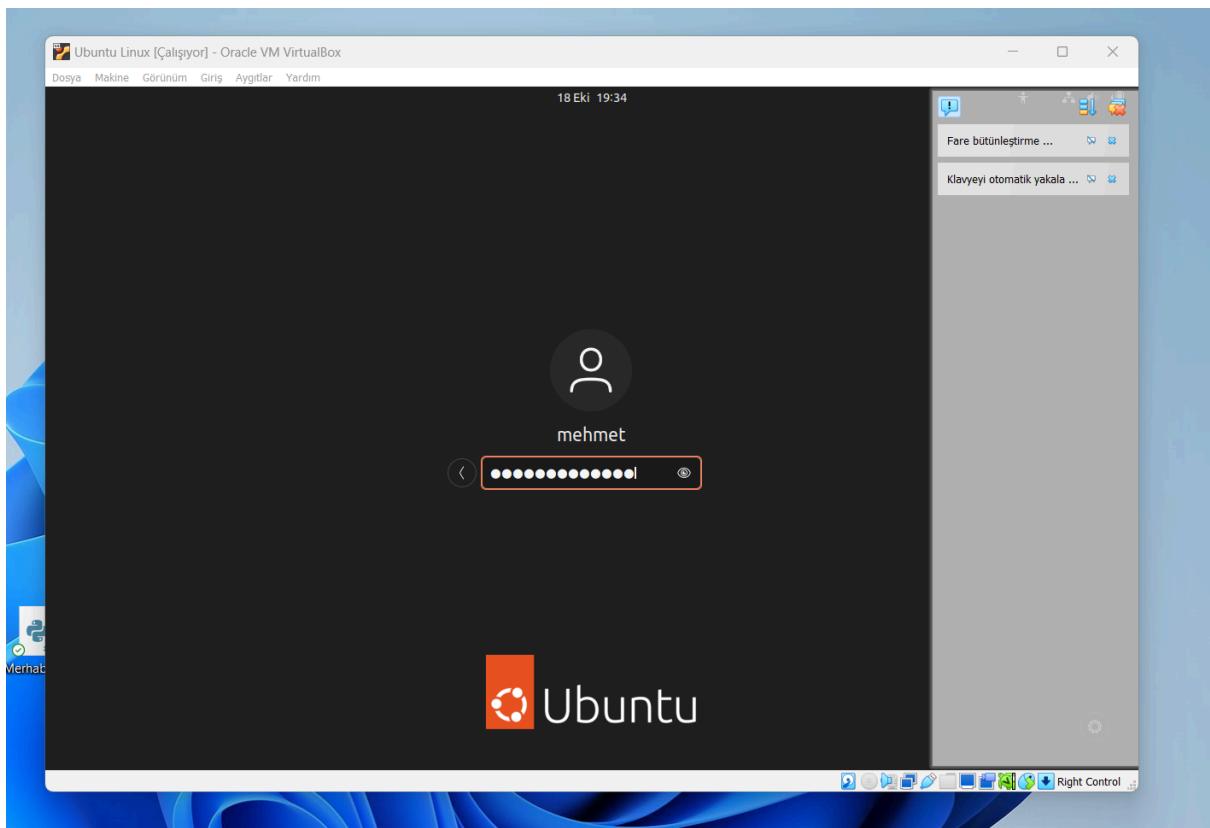












# Conclusions

In conclusion, this lab task involved the successful deployment of a virtualized environment using the Universal Type-2 Hypervisor (UTM) and the subsequent installation of the Ubuntu 22.04 Linux distribution on a virtual machine within UTM. This exercise provided me with valuable insights into the world of virtualization and its practical applications, showcasing a different approach to achieving the same goals as in the previous conclusion. Universal Type-2 Hypervisor (UTM), a versatile virtualization tool, I utilized as the hypervisor in this experiment. UTM offers a user-friendly and cross-platform virtualization solution, making it a convenient choice for creating and managing virtual machines on various host operating systems. This alternative approach allowed me to explore the virtualization landscape with a different tool, expanding our understanding of virtualization technologies.

Ubuntu Desktop 22.03.4 was selected as the guest operating system for this lab, once again, due to its reputation for user-friendliness, stability, and extensive community support. It is a versatile choice for those seeking to explore the Linux environment, and it remains widely accepted in professional and personal computing contexts. By following the provided steps, I demonstrated that there are multiple paths to achieving the same objective. This exercise reinforced the importance of adaptability in IT, as it showcased the ability to leverage different virtualization tools to create isolated environments for experimentation and software testing.

In summary, this lab task showcased the successful deployment of a virtual environment using Universal Type-2 Hypervisor (UTM) and the installation of Ubuntu 22.04 on a virtual machine within this environment. It highlighted the flexibility and diversity of virtualization tools available to IT professionals, allowing for experimentation and exploration in various virtualization environments. This experience provided an alternative perspective on virtualization while achieving the same fundamental goal of setting up a Linux-based virtual machine.