**TITLE OF COURSE**

Advance your skills in C and C++

***Submitted by***

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**Chandigarh University**

June, 2022

**Week-I**

**Title of Course:**

1. https://www.linkedin.com/learning/learning-c5?u=92961692
2. https://www.linkedin.com/learning/c-essentialtraining?u=92961692
3. https://www.linkedin.com/learning/advanced-cprogramming?u=929616
4. https://www.linkedin.com/learning/master-c-languagepointers?u=9296169
5. https://www.linkedin.com/learning/debugging-ccode?u=929616

**Aim**

1. Introduction to Microsoft 365 for IT Pros.
2. Windows 10: Administration.
3. Windows as a Service: Planning Deployment.
4. Windows 10: Security.
5. Microsoft Office 365: Deployment (Office 365/Microsoft 365).

**Learning outcomes (What I have learnt):**

1. **Introduction to Microsoft 365 for IT Pros**: - In introduction to Microsoft 365 for IT pros, I have learnt the following things:
2. Microsoft 365 enables us to modernize the IT infrastructure so that the workforce can get their work done more efficiently while remaining protected from internal and external security threats.
3. Now, there is no difference between office 365 and Microsoft 365.
4. There are three version of MS-365:
5. **For Home**: For individuals and families.
6. **For Business**: For small and medium sized businesses.
7. **For Enterprise**: It is full grown grade productivity, management and security.
8. Cloud services are more beneficial than on-premises services.
9. We can manage all the resources and settings from Microsoft admin center.
10. Microsoft admin center manages the business in the cloud.one can complete such task as adding and removing users, changing license, and resetting password.
11. **Windows 10: Administration: -** In Windows 10 Administration, I have learnt the following things:
12. There are three versions of windows 10 for computer are available:
13. Home.
14. Pro.
15. Enterprise.
16. There are two versions of windows 10 for Mobile are available:
17. Mobile.

1. Mobile Enterprise.
2. How to set the Multitasking feature from the setting.
3. How to update and take control over the individual driver.
4. Group policy is used to configure thousands of users and computer setting at domain or local level.
5. How to troubleshoot the Group Policy.
6. How to add domain users, Microsoft account and Local account to window 10 PC.
7. How to set encryption on drive or data with the use of BITLOCKER.
8. We can encrypt the files by using EFS (Encryption File System).
9. How install a virtual machine by using Hyper-V.
10. How to manage network setting and windows firewall.
11. How to manage backup and recovery of system.
12. **Windows as a Service: Planning Deployment:** In window as a service: Planning Deployment, I have learnt the following things:
13. Windows as a Service (Waas) keeps the window operating system as secure, feature-rich and up-to-date as possible, all the time.
14. Understanding the benefits of Waas and its deployment.
15. There are two types of updates:
16. **Feature Update**: It is delivered twice in a year around march and September.
17. **Quality Update**: It is a cumulative update few times in a month.
18. Servicing channel allows customers and enterprise to designate how often their device are updated.

1. There are three types of channels:
2. Semi annual Channel.
3. Long-term servicing channel.
4. Windows insider.
5. Deployment rings are helps to separate user and computer into manageable groups. They let IT rolls out new builds effectively and helps minimize disruption.
6. Windows as a service deployment procedure includes three phases:
7. Plan and preparing.
8. Targeted Deploy.
9. Broadly Deploy.
10. **Windows 10: Security:**
11. Authentications are tied to accounts.
12. There are 4 types of accounts:
13. Local account.
14. Microsoft account.
15. Domain account.
16. Azure account.
17. Learned how to add and work with local, Microsoft, domain and azure account.
18. Authorization refers to specifying access right to resources.
19. When files and folder assume the permission of their parents then it is known as inheritance of permission.
20. The two categories of places where data need to be encrypted are:
21. Data in motion: when data is transferring through networks. It is encrypted through IPsec, http, etc.
22. Data in rest: when data is stationary in files and drives. It is encrypted through BitLocker, whole-disk encryption, etc.
23. Understanding the remote desktop by using firewall, group policy and etc.
24. **Microsoft Office 365: Deployment (Office 365/Microsoft 365):**
25. Fasttrack is a set of tools that get you through that Microsoft 365 deployment.
26. Fastrack is divided into three phases:
27. Envision.
28. Onboard.
29. Drive value.
30. Understanding the various types subscription available for purchase and the features associate with them.
31. Understanding how to manage workload from admin center in details.
32. Learned how to create users in MS-365, migration and how to add domain in it.
33. Windows PowerShell is a great way of performing efficient management.
34. Learned how to create and manage SharePoint and skype for business.

**Week-II**

**Title of Course:**

1. https://www.linkedin.com/learning/microsoft-office-365- administration-office-365-microsoft-365/learning-toadminister-office365?autoplay=true&contextUrn=urn%3Ali%3AlyndaLearn ingPath%3A5babd41e498e5a64f84301df&u=92961692
2. https://www.linkedin.com/learning/windows-10- troubleshooting-for-itsupport/welcome?autoplay=true&contextUrn=urn%3Ali%3 AlyndaLearningPath%3A5babd41e498e5a64f84301df&u= 92961692
3. https://www.linkedin.com/learning/office-365-foradministrators-supporting-users-office-365-microsoft365/administrators-support-office-365- users?autoplay=true&contextUrn=urn%3Ali%3AlyndaLear ningPath%3A5babd41e498e5a64f84301df&u=92961692
4. https://www.linkedin.com/learning/office-365-foradministrators-troubleshooting-issues-for-users-office-365- microsoft-365/office-365-administrationtroubleshooting?autoplay=true&contextUrn=urn%3Ali%3 AlyndaLearningPath%3A5babd41e498e5a64f84301df&u= 92961692
5. https://www.linkedin.com/learning/paths/become-amicrosoft-365-enterprise-administrator?u=92961692

**Aim**

1. Microsoft Office 365: Administration (Office 365/Microsoft 365).
2. Windows 10: Troubleshooting for IT Support.
3. Office 365 for Administrators: Supporting Users (Office 365/Microsoft 365).
4. Office 365 for Administrators: Troubleshooting Issues for Users (Office 365/Microsoft 365).
5. Microsoft Cybersecurity Stack: Identity and Endpoint Protection Basics.

**Learning outcomes (What I have learnt):**

1. **Microsoft Office 365: Administration (Office 365/Microsoft 365):**
2. Understanding the contents of Microsoft 365 admin center.
3. Learned how to manage the global subscription setting, domain names and general settings.
4. Learned how to create the new user account in existing account of MS-365.
5. Exchange online was the first Microsoft’s cloud-based services that is used for exchange server for provide emails.
6. Learned how to manage email services.
7. SharePoint online is used for create websites, store, organise, share the information.
8. Learned how to manage SharePoint and skype.
9. Learned how to access the admin center of Exchange, SharePoint and OneDrive.
10. **Windows 10: Troubleshooting for IT Support:**
11. The main tools are available for end user for the IT help are:
12. Remote assistance.
13. Remote Desktop.
14. Quick Assist.
15. Steps Recorder.
16. Common hardware problem is as follow:
17. Not enough RAM or CPU.
18. Hard disk failure.
19. Network drive issue.
20. Graphic card or motherboard issues.
21. Learned to manage device drivers.
22. The Microsoft allows the different Troubleshooting tools and that are:
23. Task Manager.
24. Resource Monitor and Performance Monitor.
25. Event Viewer.
26. Reliability Monitor.
27. System Diagnostic Report have the following function:
28. Reporting Categories.
29. Data collection.
30. Identifying Issues.
31. Learned dhow to troubleshoot network, disk.
32. delete command line is used to delete information from drive securely.
33. The three tools which are used to manage disks and drives are as follow:
34. Data Management control (DMC).
35. Disk Part.
36. PowerShell.
37. Performance monitor is used to view system performance
38. CPU cache, CPU, Network speed and Hard disk drive are the four key resources for the system performance.
39. Windows 10 create the automatic restore point once in a week.
40. The registry is affected by the orphaned entries.
41. Windows Defender Provides antimalware protection.
42. Boot configuration data contains the needed information to start a PC.
43. **Office 365 for Administrators: Supporting Users (Office 365/Microsoft 365):**
44. Learned how to use word, PowerPoint, excel, Power BI, Access and OneNote.
45. Learned how to use outlook and Teams.
46. Learned how to use Visio, Project, Planner, To do, forms and Powe automate.
47. Learned how to use collaboration tools like SharePoint, OneDrive, Yammer.
48. Learned to use media tools like Publisher, sway, stream.
49. **Office 365 for Administrators: Troubleshooting Issues for Users (Office 365/Microsoft 365):**
50. Understanding how to troubleshoot with the issue in word like Word startup, Lost Word documents, Word printing and etc.
51. Understanding how to troubleshoot with the issue in PowerPoint like PowerPoint startup, Lost presentations, PowerPoint audio and videos and etc.
52. Understanding how to troubleshoot with the issue in Excel like Excel startup, Lost Workbooks, Excel printing, Excel formatting and compatibility and etc.
53. Understand the troubleshooting of Teams audio and video.
54. Learned how to Reset and Recover OneNote files.
55. Learned how to troubleshoot the Visio issue like shapes, Printing and compatibility.
56. OneDrive will not synchronize if invalid strings, character, folder names.
57. Learned how to troubleshoot Publisher’s mail merge and printing.

1. Understanding the troubleshoot of outlook issue like damaged outlook data files, connection to a mailbox.
2. **Microsoft Cybersecurity Stack: Identity and Endpoint Protection Basics:**
3. Azure Active Directory (AAD) is Microsoft multi-tenant cloud-based identity as a service and delivered at global scale.

**Week-III**

**Title of Course:**

1. https://www.linkedin.com/learning/microsoftcybersecurity-stack-advanced-identity-and-endpointprotection/welcome?autoplay=true&contextUrn=urn%3Ali %3AlyndaLearningPath%3A5babd41e498e5a64f84301df& u=92961692
2. https://www.linkedin.com/learning/windows-10-managingadmin-tasks-essential-training/windows-10- administration?autoplay=true&contextUrn=urn%3Ali%3Al yndaLearningPath%3A5babd41e498e5a64f84301df&u=92 961692
3. https://www.linkedin.com/learning/microsoft-enterprisemobility-suite-management-andsecurity/welcome?autoplay=true&contextUrn=urn%3Ali% 3AlyndaLearningPath%3A5babd41e498e5a64f84301df&u =92961692
4. https://www.linkedin.com/learning/windows-10-advancedtroubleshooting-for-it-support/windows-advancedsupport?autoplay=true&contextUrn=urn%3Ali%3AlyndaL earningPath%3A5babd41e498e5a64f84301df&u=92961692
5. https://www.linkedin.com/learning/microsoft-365-essentialtraining-for-administrators-9471102/introduction-to-thiscourse?autoplay=true&contextUrn=urn%3Ali%3AlyndaLe arningPath%3A5babd41e498e5a64f84301df&u=92961692

**Aim**

1. Microsoft Cybersecurity Stack: Advanced Identity and Endpoint Protection.
2. Windows 10: Managing Admin Tasks Essential Training.
3. Microsoft Enterprise Mobility Suite: Management and Security.
4. Windows 10: Advanced Troubleshooting for IT Support.
5. Microsoft 365 Essential Training for Administrators.

**Learning outcomes (What I have learnt):**

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