

**National Institute of Open Schooling**  
**Senior Secondary Course: Computer Science**  
**Lesson 4: Operating System**  
**Worksheet - 4**

1. When you switch on your system what steps are executed till you finally see the first screen (Desktop) containing all the icons. Research and write them in sequence.
2. Identify the name of the operating system installed on your system at home or your study center. Also, identify the operating system installed on your smartphone.
3. Is operating system an application software or system software? Justify
4. Look at the following images and categorize the images depicting OS interface into GUI and CLI with reasons.

```

Microsoft Windows [Version 10.0.18362.959]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ADMIN>dir
Volume in drive C has no label.
Volume Serial Number is 303A-006D

Directory of C:\Users\ADMIN

07/31/2020  09:48 AM    <DIR>          .
07/31/2020  09:48 AM    <DIR>          ..
09/02/2019  09:38 PM    <DIR>          .android
05/24/2019  10:50 AM    <DIR>          .config
03/22/2019  10:31 PM    <DIR>          .eclipse
09/20/2018  04:16 PM    <DIR>          .freemind
03/07/2018  03:25 PM    <DIR>          .idlerc
12/24/2018  08:04 PM    <DIR>          .matplotlib
05/24/2020  07:32 PM    <DIR>          20 .node_repl_history
12/28/2017  06:44 PM    <DIR>          .oracle_jre_usage
03/23/2019  09:30 AM    <DIR>          .p2
01/06/2018  10:37 PM    <DIR>          .QtWebEngineProcess
01/17/2018  06:16 PM    <DIR>          .schoolisplay.nc
07/18/2020  01:23 AM    <DIR>          3D Objects
07/18/2020  01:23 AM    <DIR>          Contacts
03/13/2019  05:26 PM    <DIR>          Creative Cloud Files
07/22/2020  02:09 PM    <DIR>          Desktop
05/26/2020  11:07 AM    <DIR>          directory
07/22/2020  04:00 PM    <DIR>          Documents
07/31/2020  11:11 AM    <DIR>          Downloads
03/23/2019  09:36 AM    <DIR>          eclipse-workspace
07/18/2020  01:23 AM    <DIR>          Favorites
07/18/2020  01:23 AM    <DIR>          Links
07/18/2020  01:23 AM    <DIR>          Music
08/08/2018  12:28 PM    <DIR>          MyVideo
05/26/2020  11:14 AM    <DIR>          node_modules
07/21/2020  04:28 PM    <DIR>          OneDrive
05/26/2020  11:14 AM    <DIR>          11,085 package-lock.json
07/30/2020  04:44 PM    <DIR>          Pictures
07/18/2020  01:23 AM    <DIR>          Saved Games
09/16/2019  12:21 PM    <DIR>          seaborn-data
07/18/2020  01:23 AM    <DIR>          Searches
05/24/2020  07:33 PM    <DIR>          184 server.js
10/18/2016  07:32 AM    <DIR>          Tracing
07/18/2020  01:23 AM    <DIR>          Videos
03/22/2019  11:15 PM    <DIR>          workspace
          3 File(s)              11,289 bytes
          33 Dir(s)          381,156,954,112 bytes free

C:\Users\ADMIN>
    
```

Figure 1

**National Institute of Open Schooling**  
**Senior Secondary Course: Computer Science**  
**Lesson 4: Operating System**  
**Worksheet - 4**



Figure 2

5. What advantages does a GUI have over CLI? Find out where CLI OS are used along with their purpose in today's world.
6. How is it that a printer is able to maintain a queue of documents that it has to print?
7. When we save a document, it can be retrieved for later use. Which function of operating system is being mentioned? Explain.
8. Differentiate between Open Source and Proprietary operating system with example of each.
9. How is task manager activated in Windows OS? What is the role of a task manager?
10. Nowadays Android televisions are being marketed. What is Android? What relationship it has with a television?