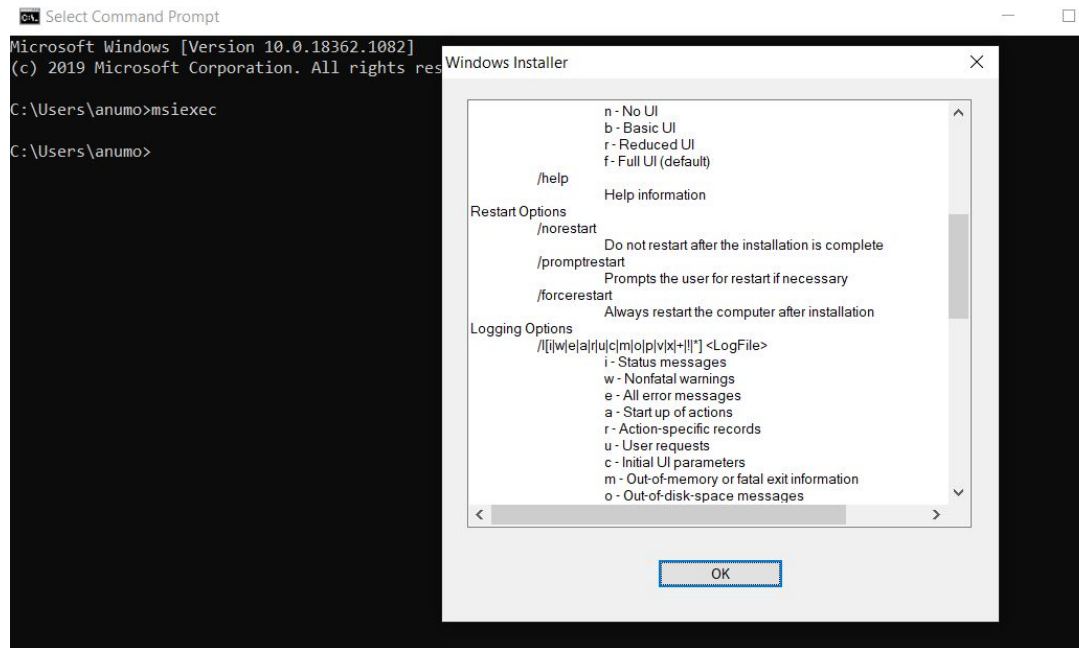


Name: Anumolu Anila
Reg.no: 18BCE7300

Lab-2: Secure coding

1.



2. Highest privilege running in windows os- SYSTEM

File Options View

Processes Performance App history Startup Users Details Services						
Name	PID	Status	User name	CPU	Memory (ac...	UAC virtualizati
OSPPSVC.EXE	13096	Running	NETWORK ...	00	524 K	Not allowed
QcomWlanSrvx64.exe	3928	Running	SYSTEM	00	20 K	Not allowed
Registry	120	Running	SYSTEM	00	8,476 K	Not allowed
RtkAudUService64.exe	3980	Running	SYSTEM	00	1,080 K	Not allowed
SearchIndexer.exe	6324	Running	SYSTEM	00	44,536 K	Not allowed
SecurityHea				00	4,560 K	Not allowed
services.exe				00	3,728 K	Not allowed
SgrmBroke				00	2,768 K	Not allowed
smss.exe				00	100 K	Not allowed
spoolsv.exe				00	772 K	Not allowed
svchost.exe				00	224 K	Not allowed
svchost.exe				00	20,340 K	Not allowed
svchost.exe				00	9,524 K	Not allowed
svchost.exe				00	1,156 K	Not allowed
svchost.exe	1420	Running	LOCAL SER...	00	848 K	Not allowed
svchost.exe	1460	Running	LOCAL SER...	00	808 K	Not allowed
svchost.exe	1480	Running	SYSTEM	00	1,312 K	Not allowed
svchost.exe	1488	Running	LOCAL SER...	00	1,304 K	Not allowed
svchost.exe	1496	Running	LOCAL SER...	00	1,124 K	Not allowed
svchost.exe	1684	Running	SYSTEM	00	6,476 K	Not allowed
svchost.exe	1696	Running	SYSTEM	00	1,108 K	Not allowed
svchost.exe	1712	Running	LOCAL SER...	00	2,212 K	Not allowed
svchost.exe	1748	Running	SYSTEM	00	528 K	Not allowed

Unable to terminate process

The operation could not be completed.

Access is denied.

OK

3.current user details and privilege of all users in particular system

```
C:\Users\anumo>whoami
laptop-q0l0flbu\anumoluAnila

C:\Users\anumo>net user

User accounts for \\LAPTOP-Q0L0FLBU

-----
Administrator          ANILA                  AnumoluAnila
DefaultAccount          Guest                  WDAGUtilityAccount
The command completed successfully.
```

4.structure of file system

```
C:\Users\anumo>tree
```

```
icons
language-configurations
  css
  html
  javascript
  json
  less
  scss
  typescript
  yaml
language-servers
  node_modules
    @angular
      language-service
        bundles
        src
    @emmetio
      extract-abbreviation
        dist
    @types
      source-map
  agent-base
    test
  ajv
    dist
    lib
      compile
      dot
      dotjs
      refs
    scripts
  ansi-styles
  anymatch
  argparse
    lib
      action
        append
        store
      argument
      help
  asap
  asn1
    lib
      ber
  assert-plus
  async-limiter
  asynckit
    lib
```

5. File format available in particular machine

```
C:\Users\anumo>assoc
.386=vxdfile
.3g2=KMPlayer.3g2
.3gp=KMPlayer.3gp
.3gp2=KMPlayer.3gp2
.3gpp=KMPlayer.3gpp
.5vw=wireshark-capture-file
.7z=WinRAR
.a52=KMPlayer.a52
.AAC=KMPlayer.aac
.ac3=KMPlayer.ac3
.accda=Access.ACCDAExtension.14
.acddb=Access.Application.14
.accdc=Access.ACCDCFile.14
.accde=Access.ACCDEFile.14
.accdr=Access.ACCDRFile.14
.accdt=Access.ACCDTFile.14
.accdw=Access.WizardUserDataFile.14
.accdw=Access.WebApplicationReference.14
.accft=Access.ACCFTFile.14
.accountpicture-ms=accountpicturefile
.ace=WinRAR
.acf=PageMaker.Colorlib
.acl=ACLFile
.acp=wireshark-capture-file
.acrobatsecuritysettings=AcroExch.acrobatsecuritysettings
.add=PageMaker.Plugin
.ade=Access.ADEFile.14
.adn=Access.BlankProjectTemplate.14
.adp=Access.Project.14
.ADT=WMP11.AssocFile.ADTS
.ADTS=QuickTime.adts
.aif=KMPlayer.aif
.aifc=KMPlayer.aifc
.aiff=KMPlayer.aiff
.alac=KMPlayer.alac
.amc=QuickTime.amc
.AMR=KMPlayer.amr
.amv=KMPlayer.amv
.ani=anifile
.apc=wireshark-capture-file
.ape=KMPlayer.ape
.api=AcroExch.Plugin
.appcontent-ms=ApplicationContent
.application=Application.Manifest
.appref-ms=Application.Reference
.arc=WinZip
.arj=WinRAR
.asa=aspfile
```

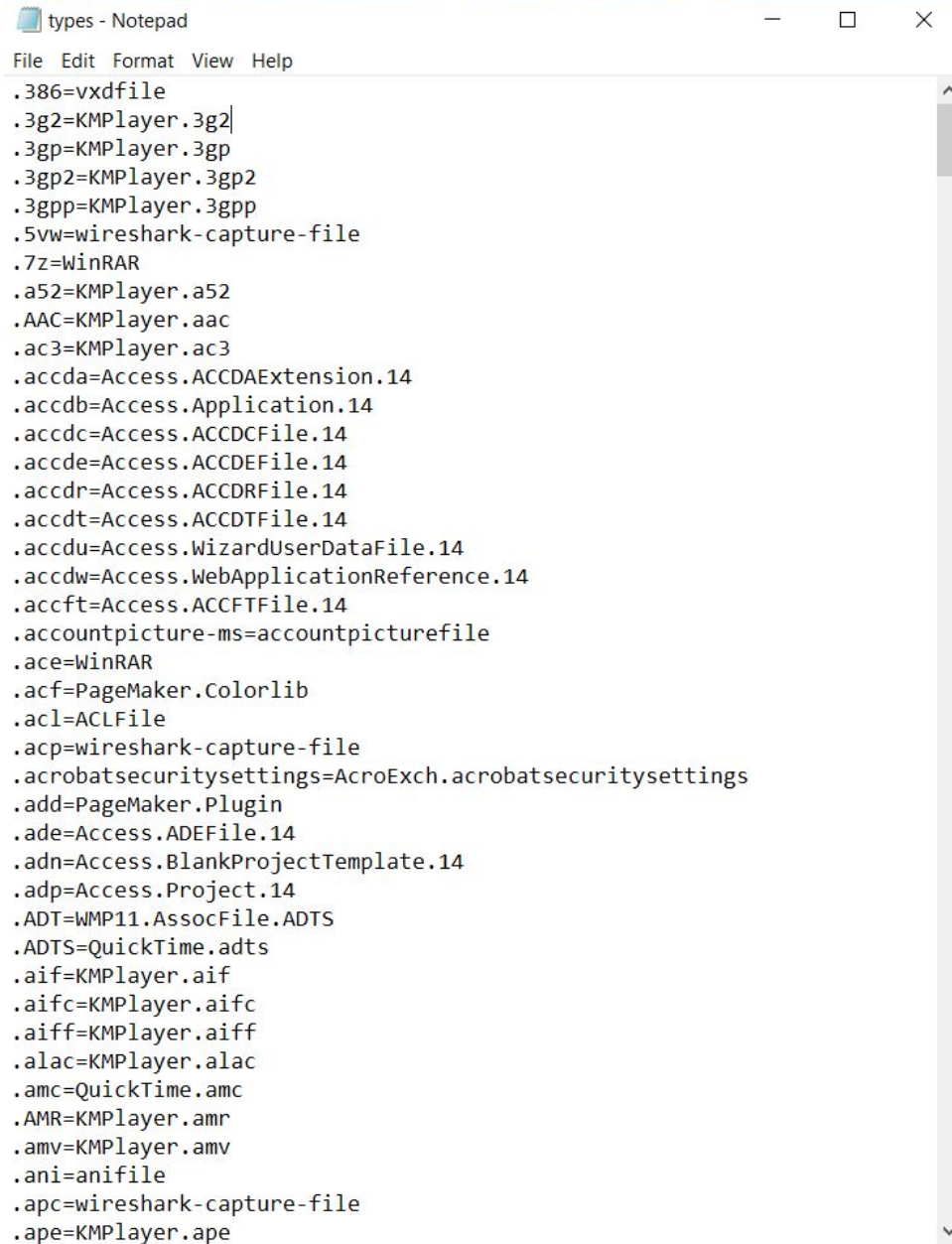
6. Reset system time

```
C:\Users\anumo>time
The current time is:  0:03:00.46
Enter the new time: 0.04
```

7.Redirection operators

1. >

```
C:\Users\anumo>assoc>types.txt
```

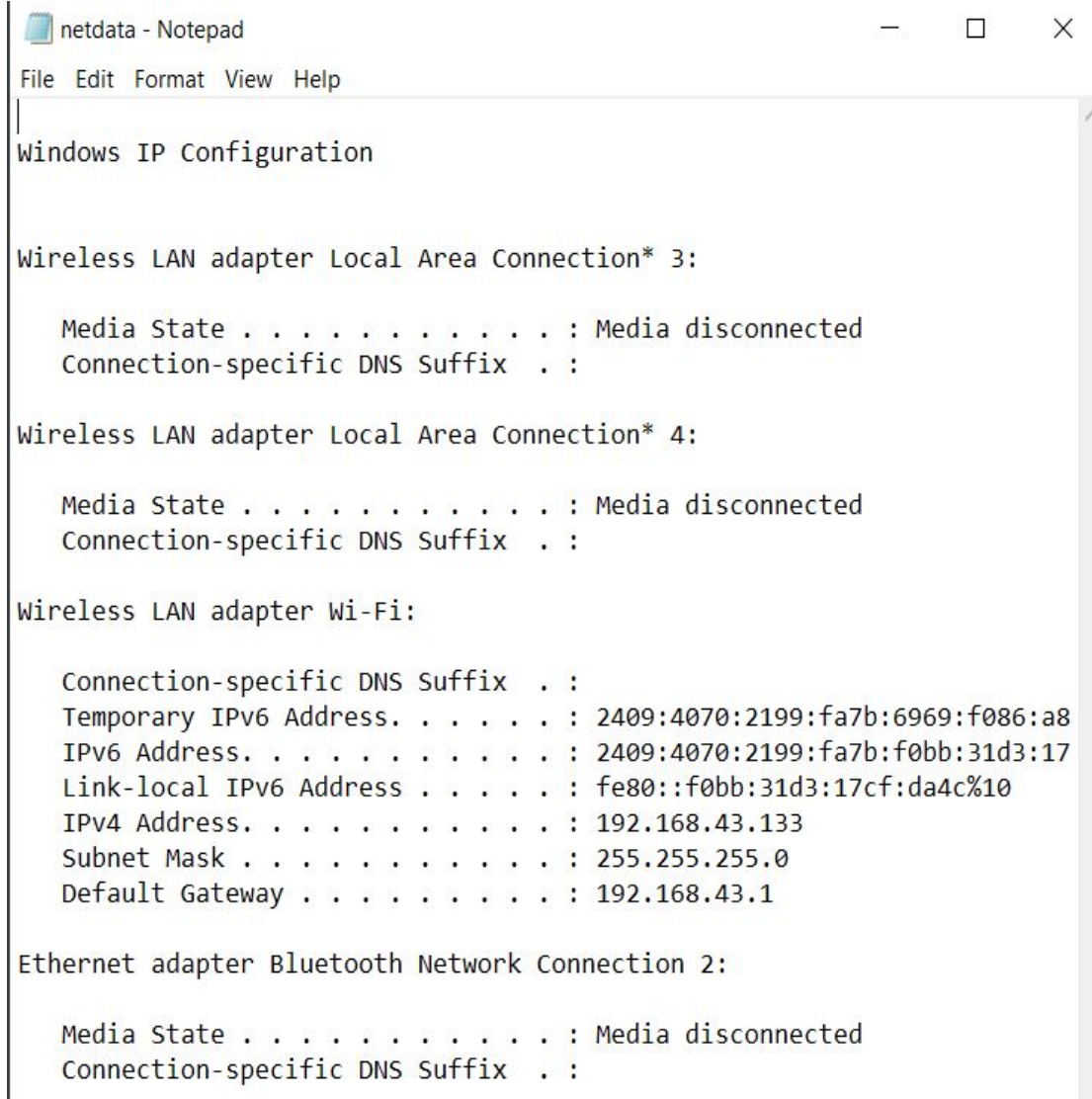


The screenshot shows a Notepad window with the following text:

```
types - Notepad
File Edit Format View Help
.386=vxdfile
.3g2=KMPlayer.3g2
.3gp=KMPlayer.3gp
.3gp2=KMPlayer.3gp2
.3gpp=KMPlayer.3gpp
.5vw=wireshark-capture-file
.7z=WinRAR
.a52=KMPlayer.a52
.AAC=KMPlayer.aac
.ac3=KMPlayer.ac3
.accda=Access.ACCEAExtension.14
.accdb=Access.Application.14
.accdc=Access.ACCEFile.14
.accde=Access.ACCEFile.14
.accdr=Access.ACCEFile.14
.accdt=Access.ACCEFile.14
.accdw=Access.WizardUserDataFile.14
.accdw=Access.WebApplicationReference.14
.accft=Access.ACCEFile.14
.accountpicture-ms=accountpicturefile
.ace=WinRAR
.acf=PageMaker.Colorlib
.acl=ACLFile
.acp=wireshark-capture-file
.acrobatsecuritysettings=AcroExch.acrobatsecuritysettings
.add=PageMaker.Plugin
.ade=Access.ADEFile.14
.adn=Access.BlankProjectTemplate.14
.adp=Access.Project.14
.ADT=WMP11.AssocFile.ADT
.ADT=QuickTime.adts
.aif=KMPlayer.aif
.aifc=KMPlayer.aifc
.aiff=KMPlayer.aiff
.alac=KMPlayer.alac
.amc=QuickTime.amc
.AMR=KMPlayer.amr
.amv=KMPlayer.amv
.ani=anifile
.apc=wireshark-capture-file
.ape=KMPlayer.ape
```

2. >>

```
C:\Users\anumo>ipconfig>>netdata.txt
```



```
netdata - Notepad
File Edit Format View Help

Windows IP Configuration

Wireless LAN adapter Local Area Connection* 3:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 4:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

    Connection-specific DNS Suffix  . :
    Temporary IPv6 Address. . . . . : 2409:4070:2199:fa7b:6969:f086:a8
    IPv6 Address. . . . . : 2409:4070:2199:fa7b:f0bb:31d3:17
    Link-local IPv6 Address . . . . . : fe80::f0bb:31d3:17cf:da4c%10
    IPv4 Address. . . . . : 192.168.43.133
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.43.1

Ethernet adapter Bluetooth Network Connection 2:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . :
```


3.

```
C:\Users\anumo>sort<netdata.txt
```

```
Connection-specific DNS Suffix . :  
Connection-specific DNS Suffix . :  
Connection-specific DNS Suffix . :  
Connection-specific DNS Suffix . :  
Default Gateway . . . . . : 192.168.43.1  
IPv4 Address. . . . . : 192.168.43.133  
IPv6 Address. . . . . : 2409:4070:2199:fa7b:f0bb:31d3:17cf:da4c  
Link-local IPv6 Address . . . . . : fe80::f0bb:31d3:17cf:da4c%10  
Media State . . . . . : Media disconnected  
Media State . . . . . : Media disconnected  
Media State . . . . . : Media disconnected  
Subnet Mask . . . . . : 255.255.255.0  
Temporary IPv6 Address. . . . . : 2409:4070:2199:fa7b:6969:f086:a8e5:5e91  
Ethernet adapter Bluetooth Network Connection 2:  
Windows IP Configuration  
Wireless LAN adapter Local Area Connection* 3:  
Wireless LAN adapter Local Area Connection* 4:  
Wireless LAN adapter Wi-Fi:
```

4.

```
C:\Users\anumo>dir|sort

                5 File(s)                16,314 bytes
                28 Dir(s) 409,784,786,944 bytes free
Directory of C:\Users\anumo
Volume in drive C is Windows
Volume Serial Number is 72FC-8109
04-11-2019  19:20    <DIR>          .tooling
06-05-2020  21:48    <DIR>          .idlerc
09-11-2019  15:42    <DIR>          .eclipse
09-11-2019  16:11    <DIR>          eclipse
10-09-2020  18:47    <DIR>          3D Objects
10-09-2020  18:47    <DIR>          Contacts
10-09-2020  18:47    <DIR>          Favorites
10-09-2020  18:47    <DIR>          Links
10-09-2020  18:47    <DIR>          Music
10-09-2020  18:47    <DIR>          Saved Games
10-09-2020  18:47    <DIR>          Searches
10-09-2020  18:47    <DIR>          Videos
10-10-2020  09:23             64 .gitconfig
10-10-2020  12:56    <DIR>          WSoC-TestRepo1
10-10-2020  13:25      1,685 .bash_history
11-02-2021  16:54    <DIR>          .gradle
11-02-2021  17:38    <DIR>          .android
15-11-2020  13:03    <DIR>          eclipse-workspace
18-02-2021  20:12    <DIR>          .vscode
18-02-2021  20:25    <DIR>          Documents
18-02-2021  21:06    <DIR>          .p2
20-02-2021  12:58    <DIR>          AndroidStudioProjects
20-02-2021  19:54    <DIR>          .zenmap
22-02-2021  22:20    <DIR>          Downloads
22-02-2021  22:28    <DIR>          OneDrive
22-07-2020  16:57      168 .packettracer
22-07-2020  16:57    <DIR>          Cisco Packet Tracer 7.2
23-02-2021  00:04     13,444 types.txt
23-02-2021  00:07      953 netdata.txt
23-02-2021  00:07    <DIR>          .
23-02-2021  00:07    <DIR>          ..
23-02-2021  00:11    <DIR>          Desktop
30-12-2020  16:02    <DIR>          Pictures
```

Switching between absolute paths using popd and pushd

```
C:\Users\anumo>cd /d D:\anila\A
D:\anila\A>cd /d C:\Users\anumo
C:\Users\anumo>pushd D:\anila\A
D:\anila\A>pushd C:\Users\anumo
C:\Users\anumo>popd D:\anila\A
D:\anila\A>popd C:\Users\anumo
C:\Users\anumo>
```