SECURE CODING
LAB 6

APUROOPA NATTE
18BCE7055

1.from pathlib import Path
entries = Path("C:/Users/Apuroopa Natte/Downloads")
for entry in entries.iterdir():
      if entry.is_file():
      print(entry.name)

```
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on
win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Apuroopa Natte/AppData/Local/Programs/Python/Python39/SC LAB 6.py
.Rhistory
1.Basic Programs using class objects and Methods - Copy.pdf
1.Basic Programs using class objects and Methods.pdf
10.Interthread Communication.pdf
10TH CERTIFICATE.PNG
10th class certificate.pdf
11.Swing.pdf
12.JavaFx.pdf
18BCD7055_K.Shiva_Lab5.docx
18BCE7055-DA-Lab9.pdf
18BCE7055SS01.text
18BCE7055SS010.text
18BCE7055SS02.text
18BCE7055SS03.text
18BCE7055SS04.text
18BCE7055SS05.text
18BCE7055SS06.text
18BCE7055SS07.text
18BCE7055SS08.text
18BCE7055SS09.text
18BCE7055_1_SC.pdf
18BCE7055_2_SC.pdf
18BCE7055_3_SC.pdf
18BCE7055_4.pdf
18BCE7055_4_SC.pdf
18BCE7055_5_MBAD (1).pdf
18BCE7055_5_MBAD.pdf
```

18BCE7055_5_SC.pdf
18BCE7055_ADA_2.pdf
18BCE7055_ADA_3.pdf
18BCE7055_ADA_4.pdf
18BCE7055_ADA_5.pdf
18BCE7055_AP2020211001068_Experiment-1.pdf
18BCE7055_CSE 1006-FDA-2-E.pdf
18BCE7055_CSE 1006-FDA-E_1.pdf
18BCE7055_DWDM_LAB6.pdf
18BCE7055_LA B1-schematic.png
18BCE7055_LAB 1.pdf
18BCE7055_LAB1.pdf
18BCE7055_LAB4.pdf
18BCE7055_LAB5_DWDM.pdf
18BCE7055_MBAD_1_B.pdf
18BCE7055_MBAD_LAB6.pdf
18BCE7055_OOPS_LAB 10.pdf
18BCE7099_lab3.pdf
18BCE7111_LAB5 (1).docx
18BCE7111_LAB5.docx
18BCE7122_LAB4_SC (1).pdf
18BCE7122_SC_LAB5 (1).pdf
18BCE7122_SC_LAB5.pdf
18bce7216_ada_lab5.pdf
18BCE7216_lab5(mobile) (1).pdf
18BCE7216_lab5(mobile).pdf
18BCE7293_ASSIGNMENT-1.pdf
18BCE7293_LAB2.pdf
18BCE7293_LAB5.pdf
18BCE7293_LAB6.pdf
18MIS7079_Lab6 (1).ipynb
18MIS7079_Lab6.ipynb
19BCE7306_Lab1.pdf
2.Programs using static final and constructors.pdf
20210105_111846_compress27.jpg
3.Inheritance.pdf
4.Polymorphism Overloading and Overriding.pdf
5.Generic class and Methods.pdf
6.Type Bounds Wildcards and Exceptions.pdf
7.Exception Handling.pdf
8.Multithreading.pdf
9.Synchronization.pdf
ada 2.R
Adobe Scan 05 Jan 2021 (1)-compressed.pdf

Adobe Scan 05 Jan 2021 (1).pdf
Adobe Scan 05 Jan 2021 (1)_1_compress85.jpg
AES-Keys.xlsx
AES192-EncrDecr.xlsx
All labs (1).pdf
All labs.pdf
android-studio-ide-201.7042882-windows - Shortcut.lnk
android-studio-ide-201.7042882-windows.exe
ASSIGNMENT - 3.docx
B612_20200528_200527_830.jpg
B612_20200528_200829_093.jpg
balenaEtcher-Setup-1.5.115.exe
bank.csv
Books.csv
Capture.PNG
coding phase 1.pdf
coding phase 2.pdf
ConfirmationPage_210310407787 (1).pdf
ConfirmationPage_210310407787.pdf
Crypto (1).zip
Crypto.zip
CSE 4027 course materials (extract.me).zip
CSE 4027 course materials.rar
CSE 4027 course materials.zip
CSE1005_SOFTWARE-ENGINEERING_ETH_1.0_2_CSE1005.docx
CSE1007_Fall 19-20_CAT-1 (6).pdf
CSE1007_INTRODUCTION-TO-CRYPTOGRAPHY_ETH_2.0_3_CSE1007-Intro.toCryptography_Syllabus_V_1.1.docx
CSE2013_INFORMATION-THEORY-AND-CODING_ETH_1.0_2_CSE2013 (1).docx
CSE2013_INFORMATION-THEORY-AND-CODING_ETH_1.0_2_CSE2013.docx
DATA ANALYTICS LAB.docx
DATA ANALYTICS LAB.pdf
data.csv
Demo_Lab2 (1).R
Demo_Lab2.R
DESKTOP-K4BLRI4 - TeamViewer - Free license (non-commercial use only) 11-12-2020 20_13_50.png
DESKTOP-K4BLRI4 - TeamViewer - Free license (non-commercial use only) 11-12-2020 20_14_10.png
DESKTOP-K4BLRI4 - TeamViewer - Free license (non-commercial use only) 11-12-2020 20_14_26.png
desktop.ini
eclipse-inst-jre-win64 (1).exe
eclipse-inst-jre-win64.exe

EFHSetup.msi
Faker-6.5.0-py3-none-any.whl
game.csv
image.png
images.jpg
imgtopdf_05012021010840.pdf
inter.pdf
itc_notebook_compressed.pdf
jdk-15.0.1_windows-x64_bin.exe
Lab 1.pdf
Lab 10.pdf
Lab 11 OOPS.pdf
Lab 11.pdf
Lab 12 (1).pdf
LAB 12.pdf
Lab 2.pdf
Lab 3.pdf
Lab 4.pdf
Lab 5.pdf
Lab 6.pdf
Lab 7.pdf
Lab 8.pdf
Lab 9.pdf
Lab Exercise 4.pdf
LAB-3 MOBILE APP DEVELOPMENT.pdf
LAB-3 SECURE CODING.pdf
LAB-4 ADVANCED DATA ANALYTICS.pdf
LAB-4 MOBILE APP DEVELOPMENT.pdf
LAB-4 SECURE CODING.pdf
LAB-5 ADVANCED DATA ANALYTICS(1).pdf
LAB-5 ADVANCED DATA ANALYTICS.pdf
LAB-5 MOBILE APP DEVELOPMENT(1).pdf
LAB-5 MOBILE APP DEVELOPMENT.pdf
Lab-5_18BCD7073.pdf
LAB-6 MOBILE APP DEVELOPMENT.pdf
lab1_18BCE7055.pdf
LAB2_18BCE7055.pdf
LAB3_18BCE7055 (1).pdf
LAB3_18BCE7055.pdf
lab3_data.csv
lab4_ada.csv
LAB5-18MIS7108.pdf
Lab_5 Demo.R
matlab_R2020b_win64.exe

MBAD_18BCE7055_LAB4.pdf
MBAD_LAB3_18BCE7055.pdf
netdata.txt
NumericalLabReport_18BCE7146.docx
openjfx-15.0.1_windows-x64_bin-sdk.zip
Project Evaluation on Cost.docx
python-3.9.2-amd64.exe
python-3.9.2-embed-amd64.zip
R-4.0.3-win.exe
Review-1.txt
rose.jpg
RStudio-1.3.1093.exe
RStudio-1.4.1103.exe
Screenshot_20210214-002917_2.jpg
Screenshot_20210221-001328.jpg
Screenshot_20210228-232221.jpg
Screenshot_20210228-232228.jpg
Screenshot_20210228-232234.jpg
Screenshot_20210228-232242.jpg
Screenshot_20210228-235634~2.jpg
Screenshot_20210228-235656~2.jpg
Screenshot_20210228-235702~2.jpg
Screenshot_20210228-235708~2.jpg
Screenshot_20210307-222518.jpg
Screenshot_20210307-222530.jpg
Screenshot_20210307-222536.jpg
Screenshot_20210307-222541.jpg
Screenshot_20210307-223636~2.jpg
Screenshot_20210307-224913~2.jpg
Screenshot_20210307-224919~2.jpg
Screenshot_20210310-182411~2(1).jpg
Screenshot_20210310-182411~2.jpg
Screenshot_20210310-215017.jpg
Screenshot_20210310-215022.jpg
Screenshot_20210310-222647.jpg
Screenshot_20210310-222654.jpg
Screenshot_20210310-232204.jpg
SE 1.pdf
SE 10.pdf
SE 11.pdf
SE 12.pdf
SE 13.pdf
SE 14.pdf
SE 15.pdf

SE 16.pdf
SE 17.pdf
SE 18.pdf
SE 19.pdf
SE 2.pdf
SE 20-merged-compressed-converted.docx
SE 20-merged-compressed.pdf
SE 20-merged.pdf
SE 20.pdf
SE 3.pdf
SE 4.pdf
SE 5.pdf
SE 6.pdf
SE 7.pdf
SE 8.pdf
SE 9.pdf
TeamViewer_Setup.exe
Thankyou.webm
Time Picker (1).docx
Time Picker.docx
timetable.pdf
types.text
ubuntu-20.04.1-desktop-amd64.iso
Untitled-1_compress4.jpg
Untitled4.ipynb - Colaboratory.pdf
video (1).mp4
video (2).mp4
video (3).mp4
video.mp4
VirtualBox-6.1.18-142142-Win.exe
WhatsApp Image 2020-12-02 at 15.12.32.jpeg
ZoomInstaller.exe
>>>
 2.

```python
from pathlib import Path
rootdir = 'C:/Users/Apuroopa Natte/Downloads'
for path in Path(rootdir).iterdir():
        if path.is_dir():
        print(path.name)
```

= RESTART: C:/Users/Apuroopa Natte/AppData/Local/Programs/Python/Python39/W.py =
f1
lab1
lab_1
openjfx-15.0.1_windows-x64_bin-sdk

```
sc
_temp_matlab_R2020b_win64
>>>
```

3.
```python
from pathlib import Path
def listdirs(rootdir):
        for path in Path(rootdir).iterdir():
        if path.is_dir():
        print(path.name)
        listdirs(path)


rootdir = 'C:/Users/Apuroopa Natte/Downloads'
listdirs(rootdir)
```

```
MException
modes
mtree
NET
print
profiler
RandStream
scribe
services
SimTimeseries
specgraph
chartMixin
dataannotatable
private
table
test
behavior
timeseries
set
tsguis
timetable
tscollection
set
tsdata
abstracttimemetadata
datametadata
event
```

internal
sharedtimestore
interpolation
qualmetadata
timemetadata
set
timeseries
tscollection
tscolltableadaptor
tstableadaptor
tsguis
uij
uimode
uimodes
uistring
uitools
uiw
uix
voronoin
warning
xlsread
zh_CN
addons_search_path
appdesigner
calendarDuration
categorical
class
codegen
codetools
codegen
codeblock
coderoutine
codetree
private
Containers
Map
datamanager
datatools
preprocessing
importVariableSelector
tabular
tasks
visualizations
datatypes

datetime
demos
duration
Editor
gbtdatatypes
graph2d
graphfun
graphics
controls
datatype
internal
figfile
shape
internal
image
util
gui
nstrings
guide
HandleGraphics
handle_graphics
Group
hardcopy
helpUtils
hg
datatypes
dt_conv
gbtdatatypes
g_object
patch
set_chck
set_chk
text
transform
udd_interface
hgbuiltins
hghardcopy
Inline
internal
interp1
interp2
interp3
interpn
introspective

lib
libpointer
load
memmapfile
MException
modes
mtree
NET
print
profiler
RandStream
scribe
services
SimTimeseries
specgraph
chartMixin
dataannotatable
private
table
test
behavior
timeseries
set
tsguis
timetable
tscollection
set
tsdata
abstracttimemetadata
datametadata
event
internal
sharedtimestore
interpolation
qualmetadata
timemetadata
set
timeseries
tscollection
tscolltableadaptor
tstableadaptor
tsexplorer
node
TreeManager

Workspace
tsguis
allExportdlg
arithdlg
corrplot
corrview
csvImportdlg
datamergedlg
datapreprocdlg
eventCharView
excelImportdlg
exclusion
histMeanView
histplot
histview
ImportWizard
matImportdlg
recorder
timeplot
tscollectionNode
tsnode
tsparentnode
tsplot
tssource
tsviewer
viewcontainer
viewdlg
viewnode
uij
uimode
uimodes
uistring
uitools
uiw
uix
voronoin
warning
xlsread
sys
java
jre
win64
jre
bin

dtplugin
plugin2
server
lib
amd64
cmm
deploy
ext
fonts
images
cursors
jfr
management
security
policy
limited
unlimited
opengl
lib
win64
ui
equationrenderer
release
css
dojo
fonts
STIXfonts
css
fonts
install
installer_login
CodeMirror
css
custom-elements
dgrid
css
extensions
images
skins
images
dijit
icons
images
themes

a11y
claro
images
tundra
images
dojo
resources
images
dojox
form
resources
images
fx
resources
grid
resources
images
layout
resources
icons
widget
ColorPicker
images
Dialog
images
Standby
images
fonts
images
apple-icons
apps
feedbackdialog
layout
toolstrip
gallery
liveeditor
tooltip
widgets
visualfamilies
default
toolstrip
installer_login
css
nls

mw-browser-utils
images
mw-colorpicker
css
images
mw-datepicker
css
images
mw-dialog-utils
css
themes
default
widgets
images
mw-dialogs
css
themes
default
widgets
images
mw-form
css
base
menu
shared
mixins
shared
default
menu
mixins
shared
images
widgets
visualfamilies
default
mw-navigationbar
css
themes
default
widgets
images
mw-notifications
css
mw-overlay-utils

css
mw-progress-indicator
css
themes
default
widgets
mw-slider
css
images
mw-tooltip
css
themes
default
widgets
images
mw-utils
images
object-hash
put-selector
react
spinner
css
STIXfonts
css
fonts
uuid
xstyle
installservicehandler
CodeMirror
css
custom-elements
dgrid
css
extensions
images
skins
images
dijit
icons
images
themes
a11y
claro
images

tundra
images
dojo
resources
images
dojox
form
resources
images
fx
resources
grid
resources
images
layout
resources
icons
widget
ColorPicker
images
Dialog
images
Standby
images
fonts
images
apple-icons
apps
feedbackdialog
layout
toolstrip
gallery
liveeditor
tooltip
widgets
visualfamilies
default
toolstrip
InstallServiceHandler
nls
mw-browser-utils
images
mw-colorpicker
css

images
mw-datepicker
css
images
mw-dialog-utils
css
themes
default
widgets
images
mw-dialogs
css
themes
default
widgets
images
mw-form
css
base
menu
shared
mixins
shared
default
menu
mixins
shared
images
widgets
visualfamilies
default
mw-navigationbar
css
themes
default
widgets
images
mw-notifications
css
mw-overlay-utils
css
mw-progress-indicator
css
themes

default
widgets
mw-slider
css
images
mw-tooltip
css
themes
default
widgets
images
mw-utils
images
object-hash
put-selector
react
spinner
css
STIXfonts
css
fonts
uuid
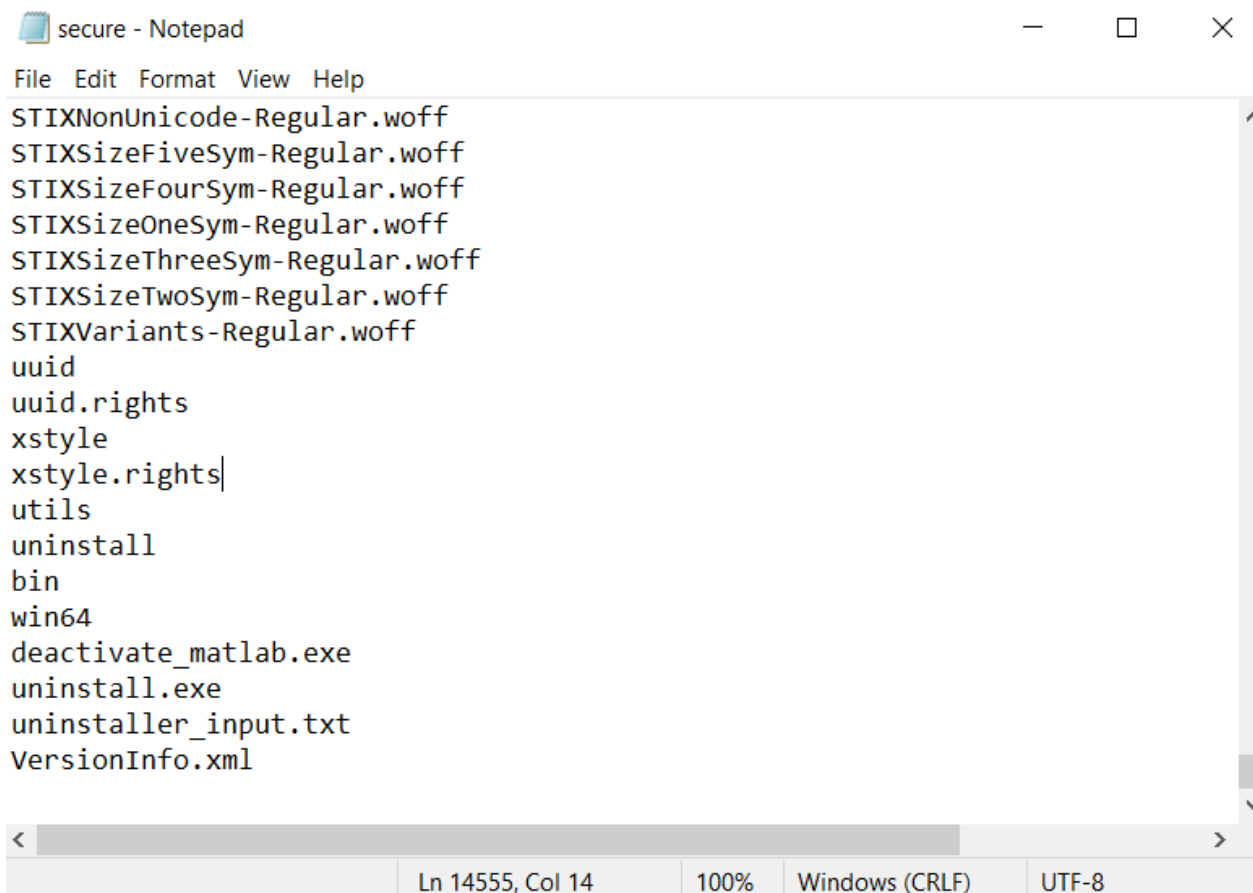xstyle

4.

```
from pathlib import Path
list = []
def listdirs(rootdir):
        for path in Path(rootdir).iterdir():
        if path.is_file():
        list.append(path.name)
        if path.is_dir():
        list.append(path.name)
        listdirs(path)
        return list
rootdir = 'C:/Users/Apuroopa Natte/Downloads'
list1 = listdirs(rootdir)
print(list1)
print("MedicalApp" in list1)
print(len(list1))
```

>>>
= RESTART: C:/Users/Apuroopa Natte/AppData/Local/Programs/Python/Python39/R.py =

False
14562
>>>
5.
```
from pathlib import Path
list = []
def listdirs(rootdir):
        for path in Path(rootdir).iterdir():
        if path.is_file():
        list.append(path.name)
        if path.is_dir():
        list.append(path.name)
        listdirs(path)
        return list
rootdir = 'C:/Users/Apuroopa Natte/Downloads'
list1 = listdirs(rootdir)
print(list1)
print("MedicalApp" in list1)
print(len(list1))
```

File Edit Format View Help

```
STIXNonUnicode-Regular.woff
STIXSizeFiveSym-Regular.woff
STIXSizeFourSym-Regular.woff
STIXSizeOneSym-Regular.woff
STIXSizeThreeSym-Regular.woff
STIXSizeTwoSym-Regular.woff
STIXVariants-Regular.woff
uuid
uuid.rights
xstyle
xstyle.rights
utils
uninstall
bin
win64
deactivate_matlab.exe
uninstall.exe
uninstaller_input.txt
VersionInfo.xml
```