NAME :ANUGA SRIKAR REDDY
18BCE7122
SECURE CODING

1)
from pathlib import Path

entries = Path("G:\GRE")
for entry in entries.iterdir():
  if entry.is_file():
    print(entry.name)

OUTPUT:
C:\Users\HP\PycharmProjects\pythonProject\Securecoding\venv\Scripts\python.exe
C:/Users/HP/PycharmProjects/pythonProject/Securecoding/main.py
244788962.pdf
5 lb. Book of GRE Practice Problems - Manhattan Prep.pdf
Barron's gre 19th edition.pdf
Barrons New GRE --.pdf
GRE 6 PRACTICE TEST.pdf
kaplan-gre-practice-test-gg5079.pdf
The 5 lb. Book of GRE Practice Problems (2nd Edition) by Manhattan
Prep[grematerials.com].pdf

2)

from pathlib import Path

rootdir = 'H:\documents'
for path in Path(rootdir).iterdir():
  if path.is_dir():
    print(path.name)

OUTPUT:
C:\Users\HP\PycharmProjects\pythonProject\Securecoding\venv\Scripts\python.exe
C:/Users/HP/PycharmProjects/pythonProject/Securecoding/main2.py
.metadata
coding
Custom Office Templates
inte
java

MATLAB
Sc
stack.java

3)
from pathlib import Path
def listdirs(rootdir):

   for path in Path(rootdir).iterdir():
     if path.is_dir():
      print(path.name)
      listdirs(path)

rootdir = 'H:\documents'
listdirs(rootdir)

OUTPUT:
C:\Users\HP\PycharmProjects\pythonProject\Securecoding\venv\Scripts\python.exe
C:/Users/HP/PycharmProjects/pythonProject/Securecoding/main3.py
.metadata
.mylyn
.taskListIndex
contexts
.plugins
org.eclipse.buildship.core
org.eclipse.core.resources
.history
18
19
20
2a
32
33
35
3c
40
49
51
5a
60
62
6a
77
7b

7e
82
85
86
89
92
94
96
9b
9c
ad
ae
b1
b5
bc
be
c0
c2
c4
c6
cd
d7
d8
de
e4
e5
e9
ed
ee
.projects
.root
.indexes
.safetable
org.eclipse.core.runtime
.settings
org.eclipse.debug.core
.launches
org.eclipse.debug.ui
org.eclipse.e4.workbench
org.eclipse.eclemma.core
.execdata
org.eclipse.emf.common.ui
org.eclipse.jdt.core
org.eclipse.jdt.debug.ui

org.eclipse.jdt.launching
org.eclipse.jdt.ui
org.eclipse.ltk.core.refactoring
.refactorings
.workspace
2019
8
35
implementing_interface
2019
8
35
inte
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8
35
stack.java
2019
1
3
7
28
org.eclipse.ltk.ui.refactoring
org.eclipse.m2e.logback.configuration
org.eclipse.mylyn.bugzilla.core
org.eclipse.mylyn.context.core
contexts
org.eclipse.mylyn.tasks.ui
org.eclipse.oomph.setup
org.eclipse.oomph.setup.ui
org.eclipse.tips.ide
org.eclipse.ui.ide
org.eclipse.ui.intro
org.eclipse.ui.workbench
org.eclipse.userstorage.oauth
org.eclipse.wst.sse.core
org.eclipse.wst.sse.ui
coding
Custom Office Templates
inte
.settings
bin
inte
src

inte

java

crypto

cryptography

floyd-master

floyd-master

classes

test

Free_Project_HealthCare Management System-freeproject24.com

Free_Project_HealthCare Management System-freeproject24.com

1

code

database

DOCUMENTATION

DOCUMENTATION

Screens

uml

MedicalApp

MedicalApp

images

WEB-INF

classes

com

lib

mysql-connector-java-8.0.20

mysql-connector-java-8.0.20

src

build

java

documentation

instrumentation

misc

debian.in

source

demo

java

demo

x

devapi

generated

java

com

mysql

cj

x
protobuf
legacy
java
com
mysql
jdbc
main
core-api
java
com
mysql
cj
conf
exceptions
interceptors
log
protocol
result
util
core-impl
java
com
mysql
cj
admin
conf
url
log
protocol
result
result
doc
protocol-impl
java
com
mysql
cj
protocol
a
authentication
result
x
resources

com
mysql
cj
configurations
util
user-api
java
com
mysql
cj
jdbc
ha
interceptors
result
xdevapi
user-impl
java
com
mysql
cj
jdbc
admin
exceptions
ha
integration
c3p0
jboss
interceptors
jmx
result
util
xdevapi
test
config
ssl-test-certs
java
com
mysql
cj
protocol
a
x
result
xdevapi

testsuite
perf
regression
simple
x
devapi
internal
perimeter_quiz
singlesource
String_first
dna
dna
Hello
tagFinder1
StringsFirstAssignments
tagFinder2
String_two
data
StringsSecondAssignments
Traveling-Salesman-master
Traveling-Salesman-master
src
net
blinker
ga
tsm
tsm
MATLAB
Examples
stats
HARDeploymentExample
html
machine-learning-ex1
machine-learning-ex1
ex1
lib
jsonlab
machine-learning-ex2
ex2
lib
jsonlab
machine-learning-ex3
machine-learning-ex3
ex3

lib
jsonlab
machine-learning-ex4
machine-learning-ex4
ex4
lib
jsonlab
machine-learning-ex5
machine-learning-ex5
ex5
lib
jsonlab
machine-learning-ex6
machine-learning-ex6
ex6
lib
jsonlab
machine-learning-ex7
machine-learning-ex7
ex7
lib
jsonlab
machine-learning-ex8
ex8
lib
jsonlab
upload
Sc
stack.java
.settings
bin
stack
java
src
stack
java

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 = 'H:\documents'
list1 = listdirs(rootdir)
print(list1)
print("MedicalApp" in list1)
print(len(list1))
```

OUTPUT:
C:\Users\HP\PycharmProjects\pythonProject\Securecoding\venv\Scripts\python.exe
C:/Users/HP/PycharmProjects/pythonProject/Securecoding/main4.py
['.metadata', '.lock', '.log', '.mylyn', '.taskListIndex', 'segments_1', 'write.lock', '.tasks.xml.zip',
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'reviews.txt', 'Sc', 'Selection.class', 'Selectionsort.java', 'smtp4.o.py', 'smtp_3.o.py', 'software
enginnering.txt', 'stack.java', '.classpath', '.project', '.settings', 'org.eclipse.jdt.core.prefs', 'bin',
'stack', 'java', 'Box.class', 'calculator.class', 'student.class', 'volume.class', 'src', 'stack', 'java',
'calculator.java', 'student.java', 'volume.java', 'String.class', 'String.java', 'String1.class',
'String1.java', 'STS.txt', 'Student18.class', 'Student18.java', 'T.class', 'T.java', 'Test.class',
'Test.java', 'TesterOuter.java', 'TestMemberOuter1$Inner.class', 'TestMemberOuter1.class',
'TestMemberOuter1.java', 'TestOuter1$Inner.class', 'TestOuter1.class', 'TestOuter1.java',
'timepass.txt', 'TravelSP.class', 'TravelSP.java']
True

5)

```python
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 = 'H:\documents'
list1 = listdirs(rootdir)
print(list1)
print("MedicalApp" in list1)
print(len(list1))
with open('G:\Semester-6\secure_coding\secure5.txt', 'w') as f:
    f.writelines(["%s\n" % item for item in list1])
```

OUTPUT:

secure5 - Notepad

File   Edit   Format   View   Help

```
.metadata
.lock
.log
.mylyn
.taskListIndex
segments_1
write.lock
.tasks.xml.zip
contexts
repositories.xml.zip
tasks.xml.zip
.plugins
org.eclipse.buildship.core
org.eclipse.core.resources
.history
18
19
20
2a
d01d793dff1600191a9bfd05e1a377f0
32
33
35
503c672f7365001914adbed02d1a8c64
3c
40
20a7ecd07565001914adbed02d1a8c64
49
a03cc695df65001914adbed02d1a8c64
51
5a
60
62
308dfdffdf65001914adbed02d1a8c64
6a
77
7b
7e
82
85
86
```