SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107

Accredited by NAAC-UGC with 'A' Grade

Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai

Department of Artificial Intelligence and Data Science

Course Name – Computational Thinking and Python Programming

I Year / I Semester

Unit 5-Files

1. Word Count

```
import sys
file=open("/Python27/note.txt","r+")
wordcount={}
for word in file.read().split():
if word not in wordcount:
wordcount[word] = 1
else:
wordcount[word] += 1
file.close();
print ("%-30s %s " %('Words in the File' , 'Count'))
for key in wordcount.keys():
print ("%-30s %d " %(key , wordcount[key]))
```

Copy File:

```python
print("Enter the Name of Source File: ")
sFile = input()
print("Enter the Name of Target File: ")
tFile = input()

fileHandle = open(sFile, "r")
texts = fileHandle.readlines()
fileHandle.close()

fileHandle = open(tFile, "w")
for s in texts:
    fileHandle.write(s)
fileHandle.close()

print("\nFile Copied Successfully!")
```

```
Enter the Name of Source File:
codescracker.txt
Enter the Name of Target File:
codes.txt

File Copied Successfully!
```

```python
# Python program to check vote eligibility

age = int(input("Enter age of a user: "))

if age >= 18:
    print("User is eligible for voting: ", age)
else:
    print("User is not eligible for voting: ", age)
```

Output1:

```
Enter age of a user: 25
User is eligible for voting:  25
```

Output2:

```
Enter age of a user: 13
User is not eligible for voting:  13
```

Output3:

```
Enter age of a user: 18
User is eligible for voting:  18
```