

## PRACTICAL-3

Write a program to open/close file with read a paragraph from file and perform following tasks:

1. Return the count of sub-string {pattern} appears in the given file
2. Reverse Every Word of File
3. Remove the {a,e,i,o,u} from the words of File Replace Every Character a-z by z-a(reverse order, ààz, bày, ...)

### CODE:

```
# File open in write mode
```

```
f = open("Practical3.txt", 'w')
f.write("Python is an interpreted high-level general-purpose programming language. Python's design philosophy emphasizes code readability with its notable use of significant indentation. Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.")
f.close()
# Return the count of sub-string {pattern} appears in the given file
f=open("Practical3.txt", 'r')
data=f.read()
print("Number of substring in the given file is:", data.count("a"))
# Reverse Every Word of File
f=open("Practical3.txt", 'r')
```

```
def reverseWordSentence(data):
    data = f.read()
    words = data.split()
    newWords = [word[::-1] for word in words]
    newSentence = " ".join(newWords)
    return newSentence
```

```
print("Reverse of every word of file is : ", reverseWordSentence(data))
# Remove the {a,e,i,o,u} from the words of File Replace
# Every Character a-z by z-a(reverse order, ààz, bày, ...)
f = open("Practical3.txt", 'r')
data = f.read()
words = data.split()
disallowed_char = "aeiou"
for character in disallowed_char:
    data = data.replace(character, "")
print("Removing {a,e,i,o,u} from the words of the file : " + data)
```

## OUTPUT:

```
Practical3 - Notepad
File Edit Format View Help
Python is an interpreted high-level general-purpose programming language. Python's design philosophy emphasizes code
readability with its notable use of significant indentation. Its language constructs as well as its object-oriented
approach aim to help programmers write clear, logical code for small and large-scale projects.

C:\Users\Admin\PycharmProjects\Practical3\venv\Scripts\python.exe C:/Users/Admin/PycharmProjects/Practical3/Practical3.py
Number of substring in the given file is: 25
Reverse of every word of file is : nohtyP si na deterpretni level-hgih esoprup-lareneg gnimmargorp .egaugnal s'nohtyP ngised ynposolihp sezisahpme edoc
ytilibadaer htiw sti elbaton esu fo tnacifingis .noitatnedni stI egaugnal stcurtsnoc sa llew sa sti detneiro-tcejbo hcaorppa mia ot pleh sremmargorp etirw
,raelc lacigol edoc rof llams dna elacs-egral .stcejorp
Removing {a,e,i,o,u} from the words of the file : Pyth*n *s *n *nt*rp*rt*d h*gh-l*v*l g*n*r*l-p*rp*s* pr*gr*mm*ng l*ng**g*. Pyth*n's d*s*gn ph*l*s*phy
*mp*h*s*z*s c*d* r**d*b*l*ty w*th *ts n*t*b*l* *s* *f s*gn*f*c*nt *nd*nt*t**n. Its l*ng**g* c*nstr*cts *s w*ll *s *ts *bj*ct-*r*x*nt*d *ppr**ch **m t* h*lp
pr*gr*mm*rs wr*t* cl**r, l*g*c*l c*d* f*r sm*ll *nd l*rg*-sc*l* pr*j*cts.
```