

AIM :-

EXPERIMENT NO. :-

## Assignment - 7

AIM:

Write a program to count frequency of the character in the given file. Can you use the character file frequency to test whether the given file is python file, c program or a text file.

Program:-

```
File = "C:\\py\\hello.txt"
file-var = open ( File , "r" )    # open file in read mode
a = []
b = {}

for i in file-var:
    for j in range (0, len(i)):
        a.append (i[j])

for i in a:
    if i in b:
        b[i] += 1
    else:
        b[i] = 1

print (b)
```

TOLERANCE :-

ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE STATED

WEEK NO. :-

STARTED ON :-

SCALE :

TIME :-

COMPLETED ON :-

INST. SIGN :

```
c = f.split(".")
if c[1] == "txt":
    print ("In\n it is a text file")
elif c[1] == "cpp":
    print ("In\n it is a c++ file")
else:
    print ("In\n it is a c file")
```

Output:

```
{'h': 1, 'o': 2, 'w': 1, '_': 2, 'a': 1, 's': 1, 'c': 1,
  'y': 1, 'u': 1}
```

it is a text file

File: (hello.txt)

how are you