1.

```python
myfile = open("File.txt","r")
for ch in myfile.read():
    if ch==" ":
        print("#",end="")
    else:
        print(ch,end="")
myfile.close()
```

2.

```python
myfile = open("File.txt","r")
v_c = 0
c_c = 0
up_c = 0
low_c = 0
num_c = 0
space_c = 0
s_c = 0
for ch in myfile.read():
    if ch.isalpha():
        if ch in "aeiouAEIOU":
            v_c += 1
        else:
            c_c +=1
        if ch.isupper():
            up_c += 1
        if ch.islower():
            low_c +=1
    elif ch in "1234567890":
        num_c += 1
    else:
        if ch==" " or ch== "\n":
            space_c += 1
        else:
            s_c +=1
print("Number of Vowels : ",v_c)
print("Number of Consonants : ",c_c)
print("Number of Upper Case Characters : ",up_c)
print("Number of Lower Case Characters : ",low_c)
print("Number of Numerals : ",num_c)
print("Number of Tabs or Spaces Or New Lines : ",space_c)
print("Number of Special Characters : ",s_c)
myfile.close()
```

3.

```
myfile = open("File.txt","r")
i = 0
for line in myfile.readlines():
    if i%2==0:
        print(line,end="")
    i += 1
myfile.close()
```

4.

```
"""I have not understood this program correctly
but as told by Kasturi mam, I have modified this
snippet for finally taking the value of new marks
and then displaying final output"""

import sys
import os
import time
s_details = [("James",5,48.5),("Naomi",6,76.9),("Paul",7,98.2),("Joy",8,96.5)]
f = open("Binary.txt","wb")
for x in s_details:
    f.write(bytes(("%s %s %s" %x),'utf-8'))
    f.write(b"\n")
f.close()
f1 = open("Binary.txt","rb+")
l = f1.readlines()
t = len(l)
x = input("Enter the roll no. that you want to search and update : ")
y = x
x = bytes(str(x),"utf-8")
f1.seek(0)
lp = []
flag = 0
for i in range(t):
    c = f1.tell()
    p = f1.readline()
    lp = p.split()
    print(lp)
    if x in lp[1]:
        f1.seek(c)

        new_mark = input("Enter new Marks in float format with only 1 digit after the decimal  : ")
        new_t = (lp[0].decode("utf-8"),y,new_mark)
        f1.write(bytes(("%s %s %s" %new_t),"utf-8"))

        print("Record updated successfully.....")
        flag = 1
        break
if flag==0:
    print("Roll No. could not be found")
```

```
f1.seek(0)
l = f1.read()
print(l)
print(l.decode())
f1.close()
time.sleep(4)
```

5.

```
"""I made a simple tweak to the code...
it now makes a folder and within that folder
it creates .txt files from A-Z"""

import string
import os
alphabet= string.ascii_uppercase
os.mkdir("ALPHABETS")
os.chdir("ALPHABETS")
for letter in alphabet:
    open(letter+".txt",'w')
```