x read an entire text file

In [1]:

```
f = open("C:/Users/Sheshu/Desktop/python.txt","r")
print(f.read())
```

My Name is seshu
I am studying in gitam deemed to be university.
I am studying in cse-core.these are module 3 questionsthese are module 3 que
stions

x read the first n lines of a file

In [2]:

```
f = open("C:/Users/Sheshu/Desktop/python.txt","r")
n=int(input("enter the number of lines to be printed:"))
for am in range(n):
    print(f.readline())
```

enter the number of lines to be printed:3
My Name is seshu

I am studying in gitam deemed to be university.

I am studying in cse-core.these are module 3 questionsthese are module 3 que
stions

x append text to a file and display the text.

In [5]:

```
f = open("C:/Users/Sheshu/Desktop/python.txt","a")
f.write("these are python ")
f.close()
f = open("C:/Users/Sheshu/Desktop/python.txt","r")
print(f.read())
```

My Name is seshu
I am studying in gitam deemed to be university.
I am studying in cse-core.these are module 3 questionsthese are module 3 que
stionsthese are python

Read numbers from a file and write even and odd numbers to separate files.

In [11]:

```python
f = open("C:/Users/Sheshu/Desktop/python.txt","r")
string = f.read()
x = string.split()
even = []
odd = []
for i in range(0, len(x)):
    x[i] = int(x[i])
for a in x:
    if a%2 == 0:
        b = str(a)
        f = open("C:/Users/Sheshu/Desktop/python.txt","a")
        f.write(b)
        f.write(" ")
        f.close()
    else:
        b = str(a)
        f = open("C:/Users/Sheshu/Desktop/python.txt","a")
        f.write(b)
        f.write(" ")
        f.close()

f = open("C:/Users/Sheshu/Desktop/python.txt","r")
print(f.read())
f = open("C:/Users/Sheshu/Desktop/python.txt","r")
print(f.read())
```

```
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Input In [11], in <cell line: 6>()
      5 odd = []
      6 for i in range(0, len(x)):
----> 7     x[i] = int(x[i])
      8 for a in x:
      9     if a%2 == 0:

ValueError: invalid literal for int() with base 10: 'My'
```

Count characters, words and lines in a text file

In [14]:

```python
lines = f.readlines()
mystr = '\t'.join([line.strip() for line in lines])
for x in mystr:
    character = character + 1

#NO. OF WORDS
word_count = str.split(mystr)

print("The file contains","lines,",character,"characters and",len(word_count),"words.")
```

```
The file contains lines, 163 characters and 28 words.
```

To write a list to a file.

In [16]:

```python
sample = ["seshu","c","VU21CSEN0100188","CSE-CORE"]
f = open("C:/Users/Sheshu/Desktop/python.txt","w")
for word in sample:
    f = open("C:/Users/Sheshu/Desktop/python.txt","a")
    f.write(word)
    f.write(" ")
    f.close()
f = open("C:/Users/Sheshu/Desktop/python.txt","r")
print(f.read())
```

```
seshu c VU21CSEN0100188 CSE-CORE
```

Given a CSV file or excel file to read it into a dataframe and display it.

In [*]:

```python
import pandas as pd
req = int(input("Enter required Age:"))
record = {

 'Name': ['Ashok', 'praneeth', 'aditya', 'vishnu', 'bhanu', 'varsh' ],
 'Age': [36, 55, 19, 45, 44, 23]}

dataframe = pd.DataFrame(record, columns = ['Name', 'Age'])
rslt_df = DataFrame[DataFrame['Age'] >= req]

print(rslt_df)
```

Given a dataframe, select rows based on a condition

In [*]:

```python
import pandas as pd
columns = [1]

df = pd.read_csv('c://next.csv',usecols = columns)
print(df)
```

In [ ]:

In [*]:

```python
import pandas as pd
columns = [1]

df = pd.read_csv('c://next.csv',usecols = columns)
print(df)
```

In [ ]: