

Program :-

```
f = open("fileEXP.txt","w")
f.write("1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16")
f.close()
```

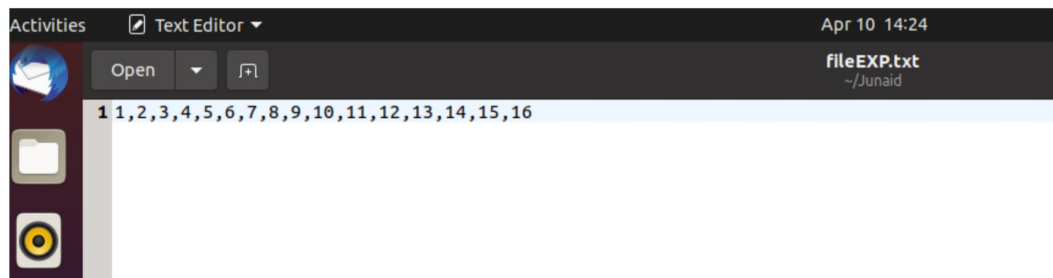
```
f = open("fileEXP.txt","r")
print(f.read())
f.close
```

```
f = open("fileEXP.txt","r")
content = f.read()
numbers = content.split(",")
```

```
n = []
h = []
m = []
```

```
for i in range(len(numbers)):
    num = int((numbers)[i])
    n.append(num)
print(n)
for i in n:
    c = 0
    for j in range (1,i):
        if i%j==0:
            c=c+1
    if c==1:
        h.append(i)
    else:
        m.append(i)
print("prime: ",h)
print("not prime: ",m)
```

Output :-



```
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16]
prime:  [2, 3, 5, 7, 11, 13]
not prime:  [1, 4, 6, 8, 9, 10, 12, 14, 15, 16]
```