1.List ordinal value of each element of a word
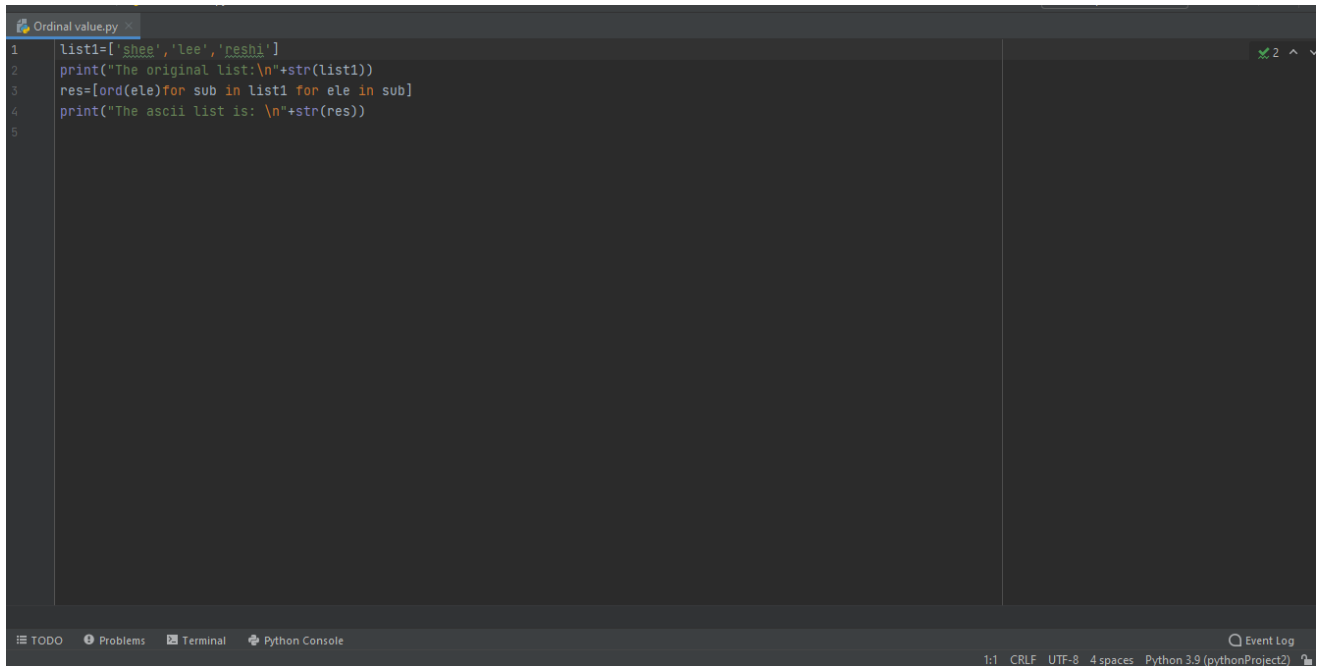
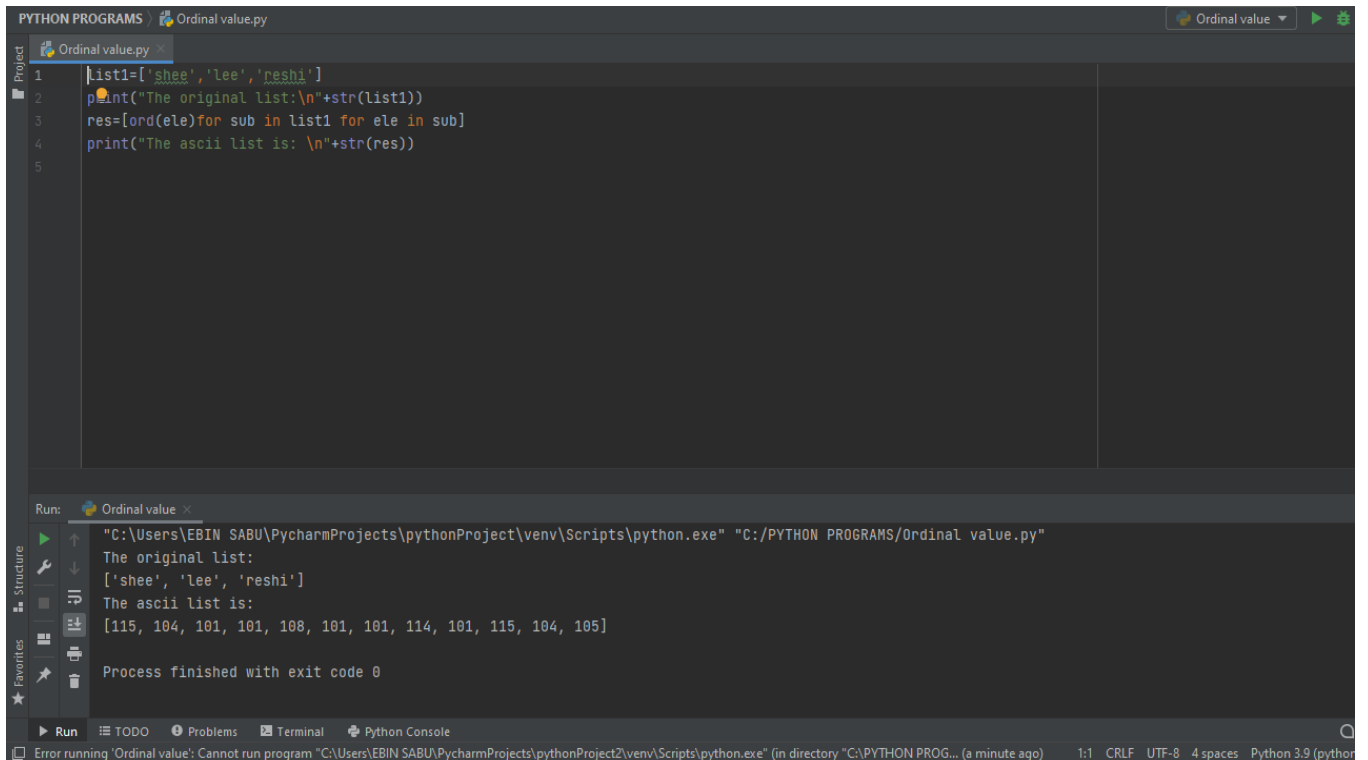## Program


```python
list1=['shee','lee','reshi']
print("The original list:\n"+str(list1))
res=[ord(ele)for sub in list1 for ele in sub]
print("The ascii list is: \n"+str(res))
```

Output-1


```
list1=['shee','lee','reshi']
print("The original list:\n"+str(list1))
res=[ord(ele)for sub in list1 for ele in sub]
print("The ascii list is: \n"+str(res))
```

```
"C:\Users\EBIN SABU\PycharmProjects\pythonProject\venv\Scripts\python.exe" "C:/PYTHON PROGRAMS/Ordinal value.py"
The original list:
['shee', 'lee', 'reshi']
The ascii list is:
[115, 104, 101, 101, 108, 101, 101, 114, 101, 115, 104, 105]

Process finished with exit code 0
```

Output-2

```
list1=['abi','jio','ram']
print("The original list:\n"+str(list1))
res=[ord(ele)for sub in list1 for ele in sub]
print("The ascii list is: \n"+str(res))
```
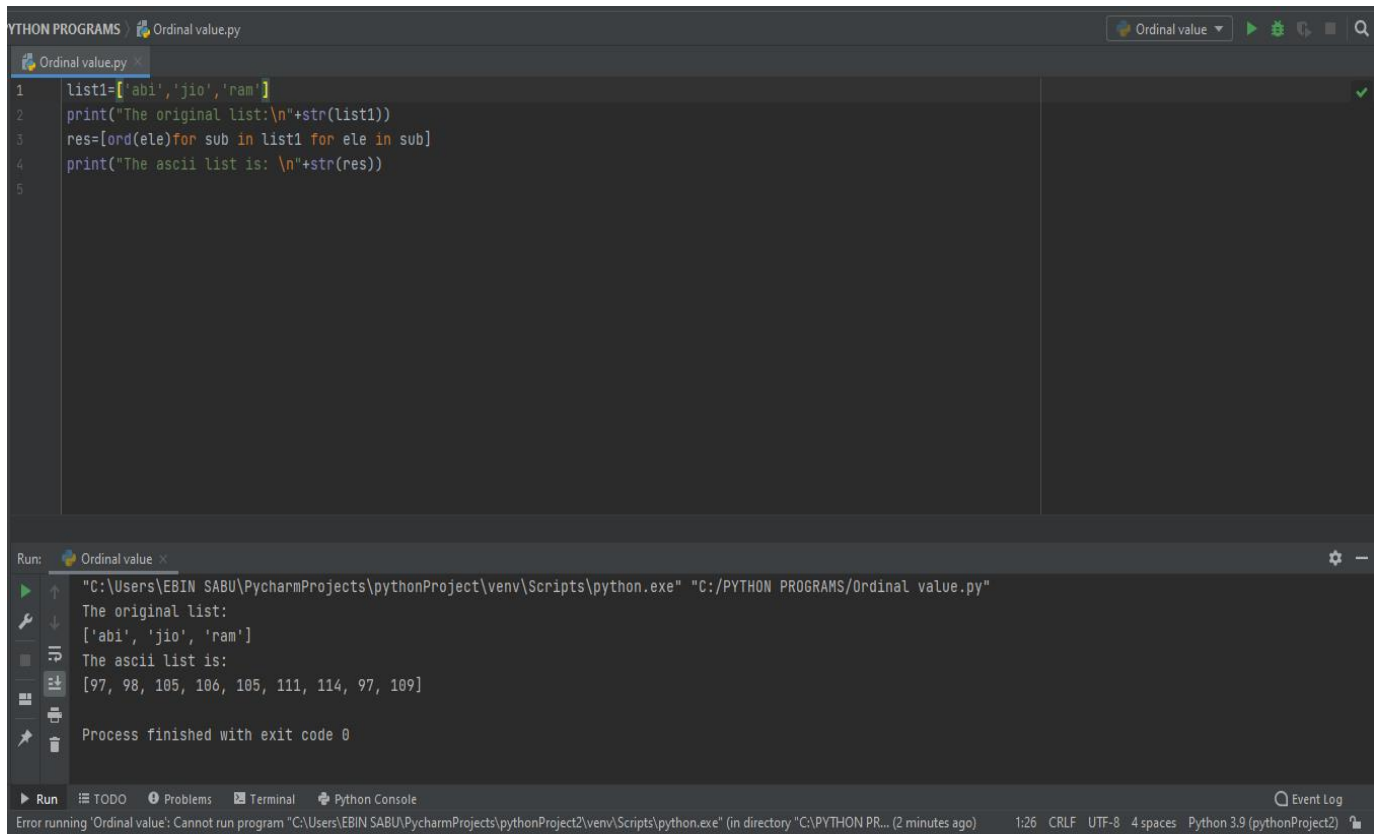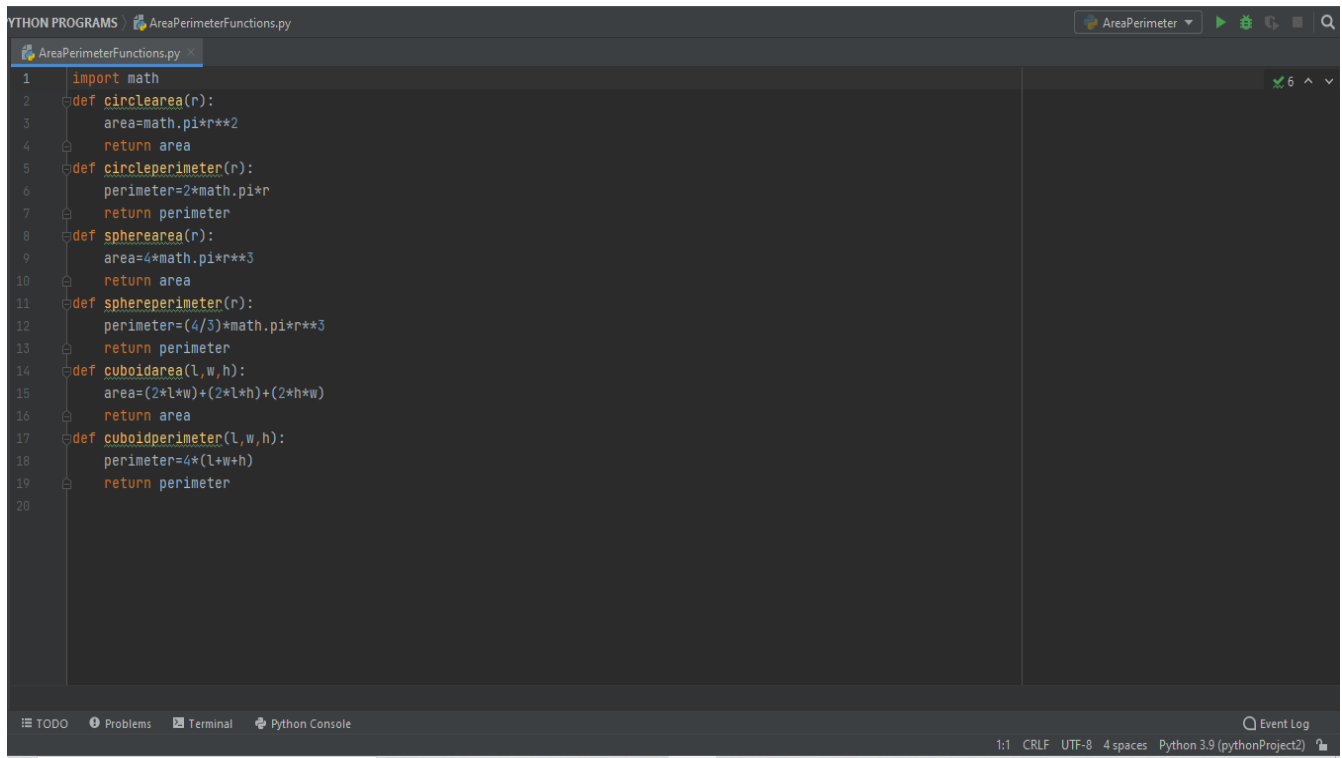
```
"C:\Users\EBIN SABU\PycharmProjects\pythonProject\venv\Scripts\python.exe" "C:/PYTHON PROGRAMS/Ordinal value.py"
The original list:
['abi', 'jio', 'ram']
The ascii list is:
[97, 98, 105, 106, 105, 111, 114, 97, 109]

Process finished with exit code 0
```

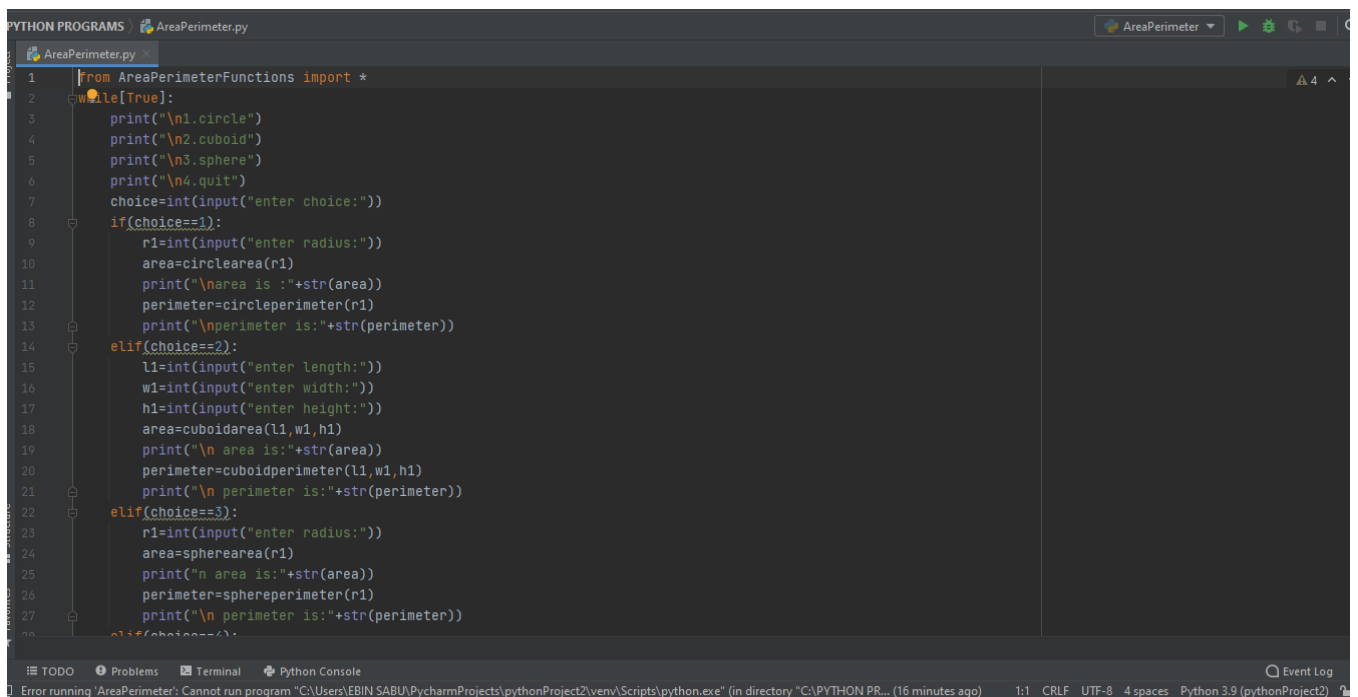Error running 'Ordinal value': Cannot run program "C:\Users\EBIN SABU\PycharmProjects\pythonProject2\venv\Scripts\python.exe" (in directory "C:\PYTHON PR... (2 minutes ago)   1:26 CRLF UTF-8 4 spaces Python 3.9 (pythonProject2)

2. Create a Package graphics with module rectangle,circle and sub-package 3D-graphics with modules cuboid and sphere.Include methods to find area and perimeter of respective figure in each module. Write program that finds area and perimeter of figure by different importing statements.

Program

```python
import math
def circlearea(r):
    area=math.pi*r**2
    return area
def circleperimeter(r):
    perimeter=2*math.pi*r
    return perimeter
def spherearea(r):
    area=4*math.pi*r**3
    return area
def sphereperimeter(r):
    perimeter=(4/3)*math.pi*r**3
    return perimeter
def cuboidarea(l,w,h):
    area=(2*l*w)+(2*l*h)+(2*h*w)
    return area
def cuboidperimeter(l,w,h):
    perimeter=4*(l+w+h)
    return perimeter
```

```python
from AreaPerimeterFunctions import *
while[True]:
    print("\n1.circle")
    print("\n2.cuboid")
    print("\n3.sphere")
    print("\n4.quit")
    choice=int(input("enter choice:"))
    if(choice==1):
        r1=int(input("enter radius:"))
        area=circlearea(r1)
        print("\narea is :"+str(area))
        perimeter=circleperimeter(r1)
        print("\nperimeter is:"+str(perimeter))
    elif(choice==2):
        l1=int(input("enter length:"))
        w1=int(input("enter width:"))
        h1=int(input("enter height:"))
        area=cuboidarea(l1,w1,h1)
        print("\n area is:"+str(area))
        perimeter=cuboidperimeter(l1,w1,h1)
        print("\n perimeter is:"+str(perimeter))
    elif(choice==3):
        r1=int(input("enter radius:"))
        area=spherearea(r1)
        print("n area is:"+str(area))
        perimeter=sphereperimeter(r1)
        print("\n perimeter is:"+str(perimeter))
```

Error running 'AreaPerimeter': Cannot run program "C:\Users\EBIN SABU\PycharmProjects\pythonProject2\venv\Scripts\python.exe" (in directory "C:\PYTHON PR... (16 minutes ago)

AreaPerimeter.py ×

```python
        print(  n4.quit )
7       choice=int(input("enter choice:"))
8       if(choice==1):
9           r1=int(input("enter radius:"))
10          area=circlearea(r1)
11          print("\narea is :"+str(area))
12          perimeter=circleperimeter(r1)
13          print("\nperimeter is:"+str(perimeter))
14      elif(choice==2):
15          l1=int(input("enter length:"))
16          w1=int(input("enter width:"))
17          h1=int(input("enter height:"))
18          area=cuboidarea(l1,w1,h1)
19          print("\n area is:"+str(area))
20          perimeter=cuboidperimeter(l1,w1,h1)
21          print("\n perimeter is:"+str(perimeter))
22      elif(choice==3):
23          r1=int(input("enter radius:"))
24          area=spherearea(r1)
25          print("n area is:"+str(area))
26          perimeter=sphereperimeter(r1)
27          print("\n perimeter is:"+str(perimeter))
28      elif(choice==4):
29          quit(0)
30      else:
31          print("give a valid choice")
32
```

Output

AreaPerimeter.py ×

Run: AreaPerimeter ×   ✿

```
"C:\Users\EBIN SABU\PycharmProjects\pythonProject\venv\Scripts\python.exe" "C:/PYTHON PROGRAMS/AreaPerimeter.py"

1.circle

2.cuboid

3.sphere

4.quit
enter choice:1
enter radius:4

area is :50.26548245743669

perimeter is:25.132741228718345

1.circle

2.cuboid

3.sphere

4.quit
enter choice:2
enter length:4
enter width:3
enter height:2
```

```
1.circle

2.cuboid

3.sphere

4.quit
enter choice:2
enter length:4
enter width:3
enter height:2

 area is:52

 perimeter is:36

1.circle

2.cuboid

3.sphere

4.quit
enter choice:3
enter radius:4
n area is:804.247719318987
```

```
enter height:2

 area is:52

 perimeter is:36

1.circle

2.cuboid

3.sphere

4.quit
enter choice:3
enter radius:4
n area is:804.247719318987

 perimeter is:268.082573106329

1.circle

2.cuboid

3.sphere

4.quit
enter choice:4
```