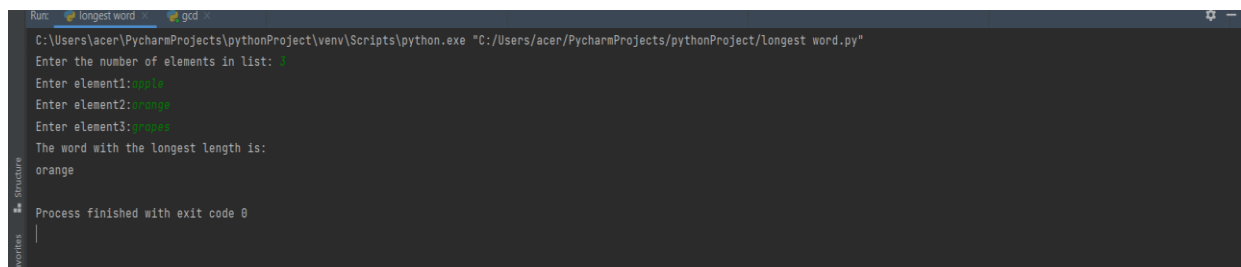


**Aim:**

To accept a list of words and return length of longest word.

**Algorithm:**

```
a=[]
n= int(input("Enter the number of elements in list:"))
for x in range(0,n):
    element=input("Enter element" + str(x+1) + ":")
    a.append(element)
max1=len(a[0])
temp=a[0]
for i in a:
    if(len(i)>max1):
        max1=len(i)
        temp=i
print("The word with the longest length is:")
print(temp)
```

**Output:**

```
Run: longest word
C:\Users\acer\PycharmProjects\pythonProject\venv\Scripts\python.exe "C:/Users/acer/PycharmProjects/pythonProject/longest word.py"
Enter the number of elements in list: 3
Enter element1: apple
Enter element2: orange
Enter element3: banana
The word with the longest length is:
orange
Process finished with exit code 0
```