1. Write a Python program to add 'ing' at the end of a given string
(length should be at least 3). If the given string already ends with 'ing',
 add 'ly' instead. If the string length of the given string is less than 3,
 leave it unchanged.

Program:

```
s="string"
if len(s)>=3:
 if s.endswith('ing'):
    s += 'ly'
else:
     s += 'ing'
print(s)
```

OUTPUT:
stringly

2. Write a Python function that takes a list of words and return the longest word
and the length of the longest one.

Program:

```
def find_longest_word(words_list):
    word_len=[]
    for n in words_list:
```

```
        word_len.append((len(n), n))
    word_len.sort()
    return word_len[-1][0],word_len[-1][1]
print(find_longest_word(['one','two','three']))
```

OUTPUT:5,three

3. Write a Python program to pack consecutive duplicates of a given list of elements into sublists.

Program:

```
def pack(list):
  packed_list = [[list[0]]]
  for i in range(1, len(list)):
      if list[i] == list[i-1]:
          packed_list[-1].append(list[i])
      else:
          packed_list.append([list[i]])
  return packed_list
print(pack(['a','a','a','a','b','c','c','a','a','d'
,'e','e','e','e']))
```

output:

```
[['a', 'a', 'a', 'a'], ['b'], ['c', 'c'], ['a',
'a'], ['d'], ['e', 'e', 'e', 'e']]
```

4. Write a Python program to find the item with the most occurrences in a given list.

Program:

```
l1=[2,1,3,1,2,4,6,3,1,4,2,5,2,3,4,6]
s1=set(l1) #converting list to set
l2=list(s1)
l2=list(set(l1))
for i in l2:
 print("Element",i,"has come"l1.count(i))
```

OUTPUT:

```
Element 1 has come 3
Element 2 has come 4
Element 3 has come 3
Element 4 has come 3
Element 5 has come 1
Element 6 has come 2
```

5. Write a Python program to find the highest 3 values of corresponding keys
 in a dictionary.

Program:

```
my_dict = {'A': 67, 'B': 23, 'C': 45,
        'D': 56, 'E': 12, 'F': 69}
```

```
print("Initial Dictionary:")
print(my_dict, "\n")

print("Dictionary with 3 highest values:")
print("Keys: Values")

x=list(my_dict.values())
d=dict()
x.sort(reverse=True)
x=x[:3]
for i in x:
    for j in my_dict.keys():
        if(my_dict[j]==i):
            print(str(j)+" : "+str(my_dict[j]))
```

output:

```
F : 69
A : 67
D : 56
```

6. Write a Python program to get the top three items in a shop.

Sample data: {'item1': 45.50, 'item2':35, 'item3': 41.30, 'item4':55, 'item5': 24}

Expected Output:

```
item4 55
item1 45.5
item3 41.3
```

Program:

```
shop_items = {'item1': 45.50, 'item2': 35, 'item3':
41.30, 'item4': 55, 'item5': 24}
top_three_items = sorted(shop_items.items(),
key=lambda x: x[1], reverse=True)[:3]
print("Expected Output:")
for item, price in top_three_items:
    print(f"{item} {price}")
```

Output:

```
item4 55
item1 45.5
item3 41.3
```