**11. Demonstrate the Module Creation, Module usage**
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```
# importing sqrt() and factorial from the
# module math
from math import sqrt, factorial
  # if we simply do "import math", then
# math.sqrt(16) and math.factorial()
# are required.
print(sqrt(16))
print(factorial(6))
```

**output:**

*4.0*
*720*

**Experiment No 11(module)**

**# importing Bubble module  importing buuble_sort function**

```
from Bubble import bubble_sort
list1 = [5, 3, 8, 6, 7, 2]
print("The unsorted list is: ", list1)
# Calling the bubble sort function
print("The sorted list is: ", bubble_sort(list1))
```

**above program stored in main program**

Module is given below(Bubble.py)

```
# Creating a bubble sort function
def bubble_sort(list1):
   # Outer loop for traverse the entire list
   for i in range(0,len(list1)-1):
      for j in range(len(list1)-1):
         if(list1[j]>list1[j+1]):
            temp = list1[j]
            list1[j] = list1[j+1]
            list1[j+1] = temp
   return list1
```

**Output:**

*The unsorted list is:  [5, 3, 8, 6, 7, 2]*
*The sorted list is:  [2, 3, 5, 6, 7, 8]*