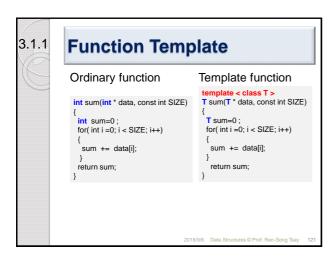
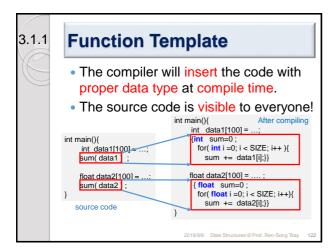


Template in C++ A mechanism to parameterize the target data type and instantiate it to a proper data type at compile time. Using the keyword template followed by parameter type list <typename T> or <class T>.





```
3.1.2
              The Class Bag Containing int
P3.4
           class Bag
           {
public:
   Bag(int bagCapacity =
10);
   ~Bag();
             int Size() const;
             bool IsEmpty() const;
                                           // Check if bag is empty
             int Element() const;
                                           // Return an element in the bag
             void Push(const int);
void Pop()
                                           // Insert an integer into the bag
// Delete an integer from the bag
                                            // Integer array that stores the
             int *array;
                                           data
// Capacity of array
// Position of top element
             int capacity;
```

