Data Structures
CS 246 - 040
Quiz 03 Solutions

a. Write the prototype of the bool function named C() that takes a generic array parameter and an int parameter.

Solution:
```
template <typename T>
bool C(T[],int);
```

b. Given that a class named Building defined a constant ToString() method, write the definition of a friend overloaded ostream operator of the Building class that displays a Building object in the same format as the return of its ToString() method

Solution:
```
ostream& operator<<(ostream& out,const Building& obj)
{
  out << obj.ToString();
  return out;
}
```

c. Given the class below, write the definition of its copy constructor

```
template <class T>
class Sum
{
    private:
    T operand1;
    T operand2;
};
```

Solution:
```
Sum(const Sum<T>& obj)
{
  operand1 = obj.operand1;
  operand2 = obj.operand2;
}
```