

Question 1 (a): Complete the class declaration.

```
class Deque {  
private:
```

```
public:
```

```
    Deque ();  
    ~Deque();  
    Deque (const Deque &otherDeque)
```

```
    enqueueAtFront (double value);  
    enqueueAtEnd (double value);
```

```
    // both of these methods throw an overflow_error exception if the deque is empty  
    double dequeueFromFront ();  
    double dequeueFromEnd ();
```

```
    int size(); // returns number of names in the deque
```

```
    Deque &operator= (const Deque &otherDeque);
```

```
};
```

Question 1 (b): Implement the destructor here.

Deque::~Deque () {

[illegible]
$$\}$$

Question 1 (c): Implement method “dequeueFromEnd” here.

```
string Deque::dequeueFromEnd () {
```

```
    if (size() == 0) throw overflow_error (“Deque is empty”);
```

```
}
```

Question 1 (d): Implement method “size” here.

```
int Deque::size () {
```

```
}
```

Question 1 (e): Implement the copy constructor here.

```
Deque::Deque (const Deque &otherDeque) {
```

```
}
```

Question 2: Write your function here.

```
int findLargest (int array[], int start, int end) {
```

[illegible]

Question 3: Write the implementation of “countGoodStudents” here.

```
int studentDB::countGoodStudents () const {
```

[illegible]

Question 3: Write the implementation of “insertStudent” here.

```
void StudentDB::insertStudent (int number, double GPA) {
```

[illegible]

[illegible]

Question 5: Complete the following class definition.

```
class WordList {  
private:
```

```
int hash (const string &word, int n); // returns a value between 0 and n – 1 (inclusive)  
void standardize (string &word); // converts word to all uppercase
```

```
// declared private in order to make these operations illegal
```

```
WordList (const WordList &otherList);
```

```
WordList &operator = (const WordList &otherList);
```

```
public:
```

```
WordList (int maxWords);
```

```
~WordList ();
```

```
addWord (const string word); // adds a new word to the list
```

```
bool lookupWord() const; // returns true if the word is in the list, false otherwise
```

```
};
```

Question 5 (b): Implement the constructor here.

```
WordList::WordList (int maxWords) {
```

[illegible]

Question 5 (c): Implement method “addWord” here

```
WordList::addWord (const string word) {
```

[illegible]