UML DIAGRAM

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MemberCredentials -Name:string -name1: string -email: string -pass: string -pass1: string -repass: string -back: string +MemberCredentials() + setname():void + setname1():void + setemail():void + setpass():void + setpass1():void + setrepass():void + setback(back: string): void + getname():string + getname1():string + getemail():string + getpass():string + getpass1():string + getrepass():string + getback():string

```
# nameOfBook[40]: char;
# authOfBook[40]: char;
# domainOfBook[40]: char;
# publishDate[40]: char;
# virtual AddBookrecord() = 0: void;
+ virtual showBooks() = 0: void;
+ virtual search() = 0: void;
+ virtual modifyRecord() = 0: void;
+ virtual DeleteBooks() = 0: void;
+ virtual totalBooks() = 0: void;
+ virtual calcdomain() = 0: void;
```

```
LoginSystem
-mem: MemberCredentials
-op:int
+LoginSystem()
+LoginSystem( m:
MemberCredentials, o:int)
+ welcomeDisplay():void
+ userChoice():void
+ signup():void
+ login():void
       + AddBookrecord():void;
       + showBooks():void;
       + search():void;
       + DeleteBooks():void;
       + modifyRecord():void;
       + totalBooks():void;
       + calcdomain():void;
       + menu():void;
       + <<friend >> operator<<(
       output: ostream&,lms: LMS):
       ostream&;
```