Graphical user interface, text, application, email

Description automatically generated

Part a)

ArrayList<Book>booklist;

ArrayList<Person>peoplelist;

int bookcount;

Library(ArrayList<Book> blist, ArrayList<Person> persons, int bcount)

{

this.booklist = new ArrayList<Book>();

this.booklist = blist;

this.peoplelist = new ArrayList<Person>();

this.peoplelist = persons;

this.bookcount = bcount;

Part b)

void addPeople(Person l)

{

Peoplelist.add(l);

}

……[compareTO(Object obj} CODE GOES HERE IN BETWEEN]……

Part c)

Public int CompareTo(Library lb)

{

if (lb.booklist.size() == lb.peoplelist.size())

return 0;

else if (lb.booklist.size > lb.peoplelist.size())

return 1;

else

return (-1);