SUBJECT:

OBJECT ORIENTED
PROGRAMMING

SUBMITTED BY:

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CLASS:

 BCS – 3B

SUBMITTED TO:
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SUBMISSION:**
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 ASSIGNMENT–2

Diagram #1

Library
int[100] books ;   int chairs   int color
searchABook()   deleteABook()   AddABook()   calculateStudents()   displayBook()   checkAuthorBook()   checkIfColorIsWhite()

Diagram # 2

```
+---------------------------------------------------+
|                    Hostel                         |
+---------------------------------------------------+
|          int  height                              |
|          int  width                               |
|          string[20] hostelites                    |
|          string location                          |
+---------------------------------------------------+
|   checkIfPresentInCapital()                        |
|   calculateArea()                                  |
|   addAHostelite()                                  |
|   searchAHostelite()                               |
|   calculateCupBoards()                             |
|   setHeight()                                      |
|   setWidth()                                       |
|   display()                                        |
+---------------------------------------------------+
```
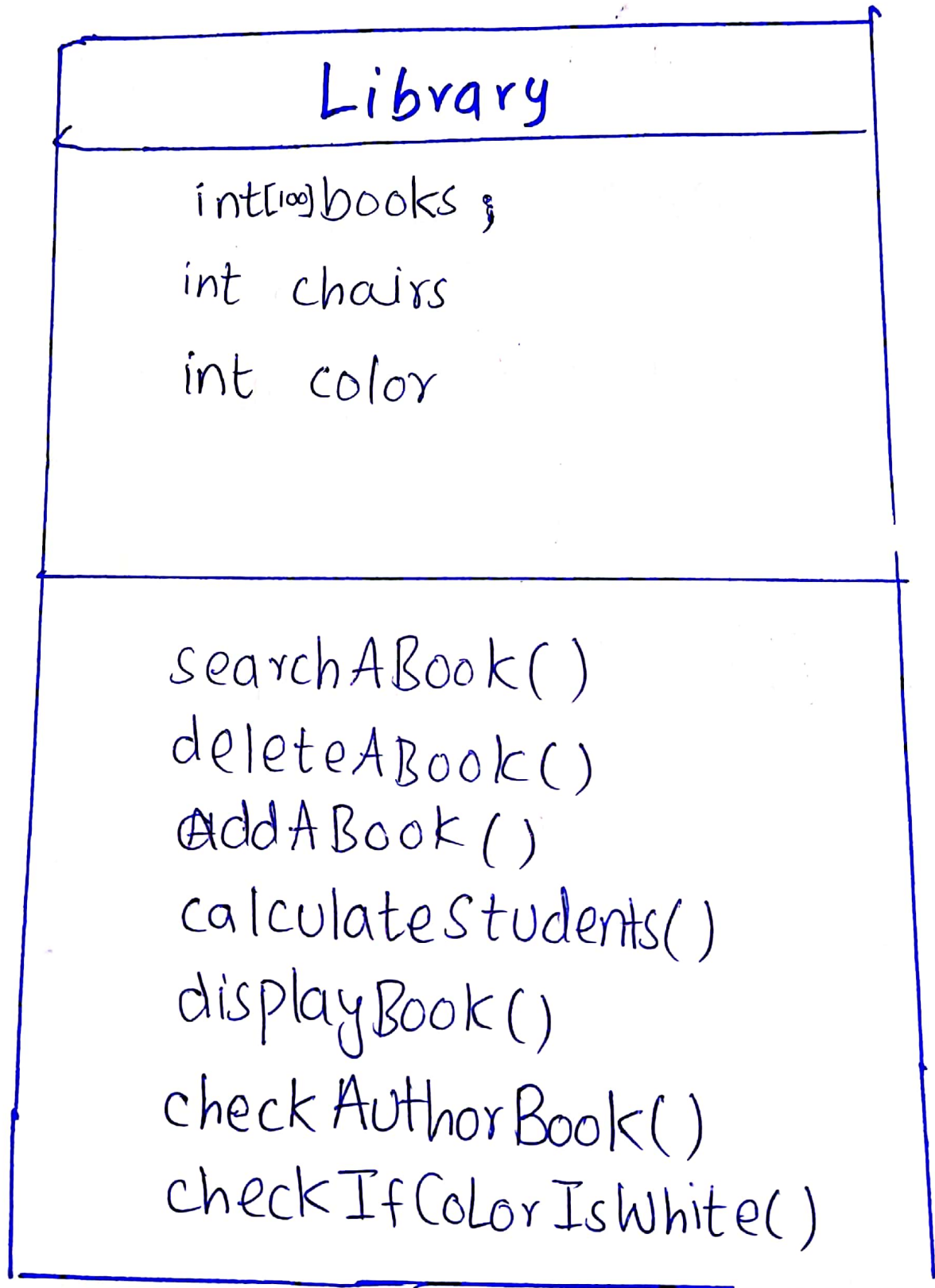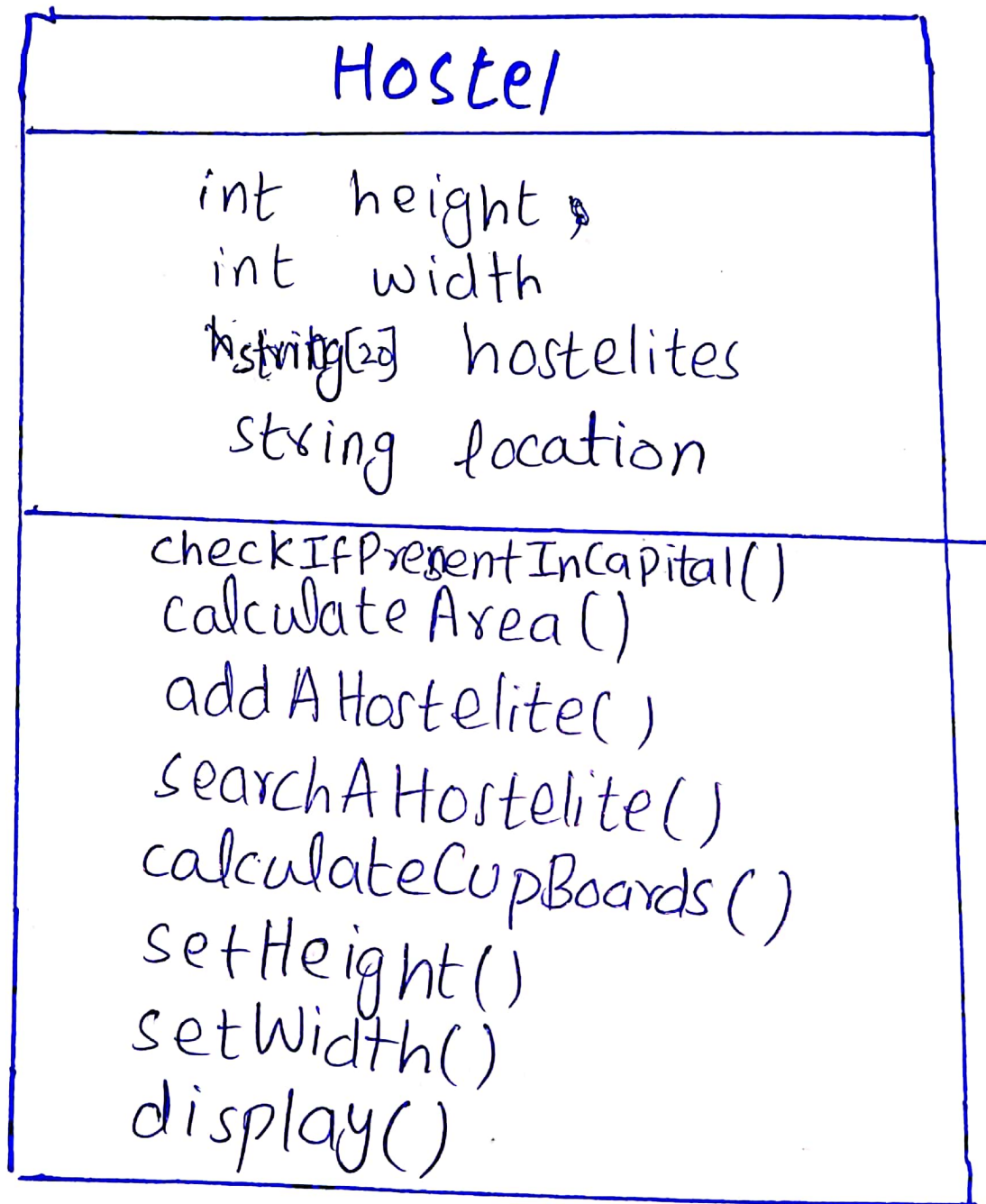
Diagram # 03

Teacher
int age
int yearOfStartOfTeaching
string uniName
String [5] subjects
calculateExperience()
calculateYearOfBirth()
addASubject()
searchASubject()
checkIfTeachInCapital().

Diagram #04

Laptop
int yearOfPurchasing
int length
int width
int price
checkSquare()
checkArea()
calculateAgeOfLaptop()
calculatePriceIncreaseUntilNow()
display()
setLength()
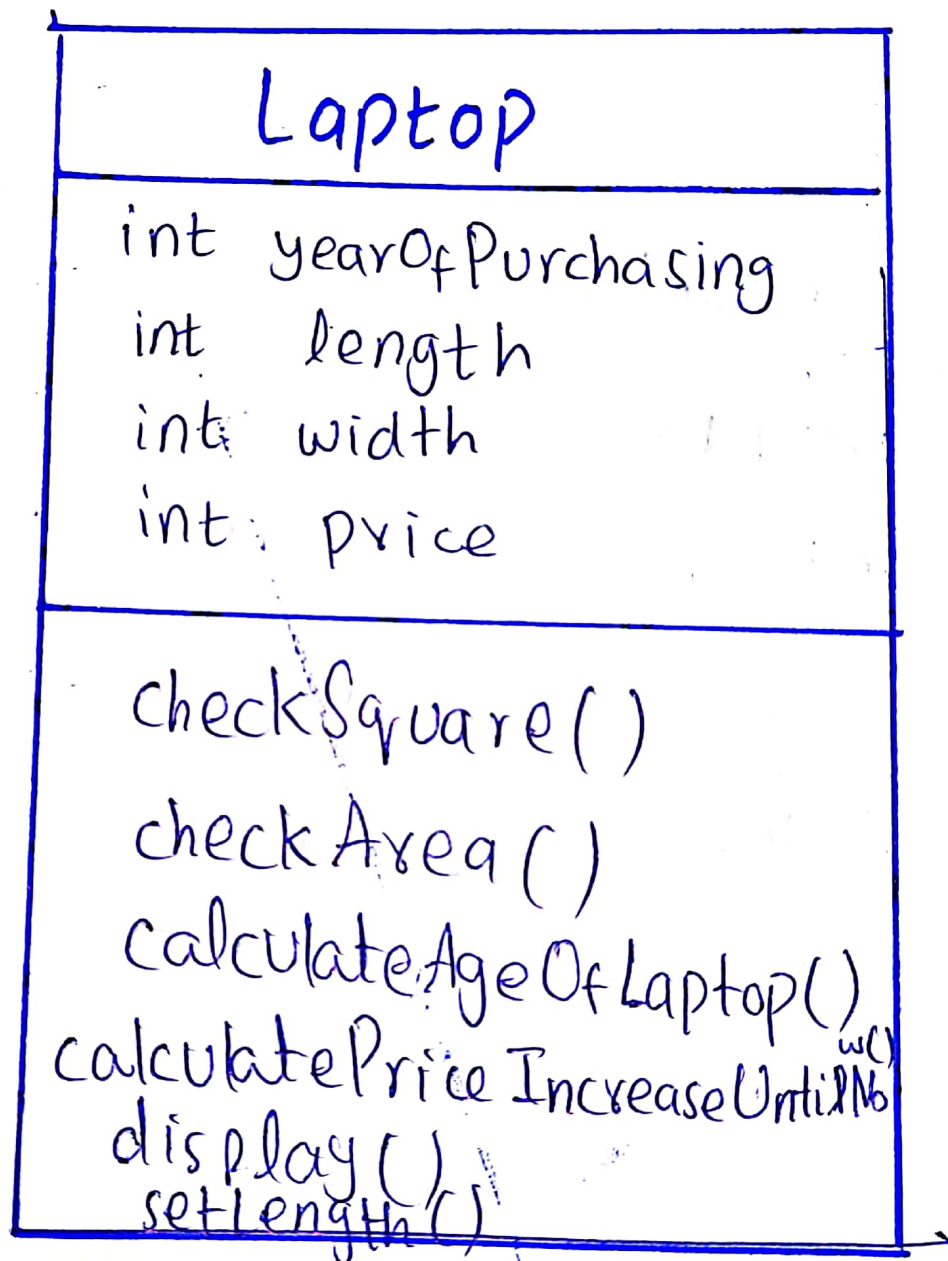
Diagram # 5

```
+-------------------------------------------------+
|                ~~Note~~ Menu                    |
+-------------------------------------------------+
|  ⊖ int [~~15~~] menuItems                       |
|     int yearOfMaking                            |
|                                                 |
+-------------------------------------------------+
|  check If Biryani Is Available ( )              |
|  add An Item ( )                                |
|  delete An Item ( )                             |
|  check How Many Days Pulao Is Made ( )          |
|  display ( )                                     |
|  calculate Years Of Menu Making ( )             |
+-------------------------------------------------+
```