

1) Write a menu driven program for a “**BOOK MART**” with the following menu options:

BOOKMART MENU

1. **Availability**
2. **Purchase**
3. **Exit**

The details of the books are stored in a structure “**books**” with the member variables **book_number**, **book_name**, **book_price**, **book_author**, **number_of_copies**.

Declare the different member variables (use meaningful abbreviations for the variables; e.g. **bno** for *book number*, **noc** for *number of copies* etc.) with appropriate data types. Use an array of structure **book[]** to insert details for at least 5 books. Your program shall run continuously for all the operations until you press **Exit** option in the menu. Purchase menu should be used to purchase a particular book using the book number as user input. [Hint: usage of SWITCH within WHILE statement (repeating loop)].

2) Create structure COMPLEX to represent a complex number (consists of 2 members – real and imag). Write functions to read, display and add 2 complex numbers using the above structure.