**Practical No. 3**

**AIM:** Create a class diagram using star UML for library management using the classes with their attributes also, get the appropriate relationship between the classes and tools from box.

1. It has a book classes, book has author and has author class.
2. In order to book information, it has book item class which uses some of the properties.
3. It needs an account for reserving book by the user so it has an account class.
4. In account class there is attributes named state which uses a numeration name account state.
5. It also has a class library to manage the account user and the book.
6. It has a user class to manage the user details that has an account in the library and can barrow and return book to the library.
7. The system also has interface scanner where the user searches the book, he needed from the catalogue class.

