LAB-03

1. Create a class book which contains four numbers: name, author, price, num-pages. Include a Constructor to set the values for the members. Include methods to set and get the details of the objects. Include a to string () that could display the complete details of the book. Develop a java program to create a book objects.

```
import javautil. Scanner;

class Books {
    String name;
    String author;
    int price;
    int numpages;

    Books (string name, string author, int price,
          int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }
    Public string to string ()
    {
        String name, author, price, numpages;
        name = " Book name:" + this.name+")n";
        author = " Author name:" + this.author+"")n
```

```
Price = "Price: " + this.price + "\n";
numpages= "number of Pages: " + this + num Pages
              + "\n";

return name + author + Price + num Pages;
  }
};


class main {
  public static void main (string args[])
  {

    Scanner s =new scanner (system.in);
    int n;
    String name, author;
    int price, numpages;
    System.out.println("Enter number of
                     Books\n");
    n = s.nextInt();
    Books b[];
    b= new Books [n];
    for.(int i=0; i< n; i++)
    {

      System.out.println("Enter the name,
      author, price, number of pages of the book)
      name= s.next();
      author = s.next();
      Price = s.nextInt();
      num Pages= s.nextInt();
      b[i]= new Books (name, author, price,
                   numPages);
    }
    System.out.print ln("the books details:-\n");
    for (int i=0; i<n; i++);
    {
```

```
        System.out.println(b[i].toString());
    }
}
```

output:
Enter the number of Books
2
Enter the name, author, price and number
of pages of the book:
java
xyz
1200
100

Enter the name, author, price and number
of pages of the book:
c++
abc
1500
243

The book details:
Book name: java
Author name: xyz
Price: 1200
number of pages: 100

Book name: c++
Author name: abc
Price: 1500
Number of Pages: 243

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