26-12-23

Create a class Book which contains four members:
name, author, price, num_pages. Include a Constructor
to set the values for the members. Include
methods to set and get details of the objects.
Include a toString() method that could display
the complete details of the book. Develop a
Java program to create n books objects.

```
import  Java.util.scanner;

class Books {
string name, author;
int price, numpages;
Books (string name, string author, int price ; int numpages)
{ this. name = name;
  this. author = author;
  this. price = price;
  this. numpages = numpages;
return   name + author + price + numpages; }

string tostring() {
  string  author, name, price, numpages;
  name = " This Book is " + this. name + "\n"};
  author = " Author is " + this. author + "\n"}
  price = " price = " + this. price + "\n"}
  numpages = "No of pages " + this. numpages + "\n"; }

}
```

```java
public class Main {
Public static void main (String [] args){ Name = SANTHOSH
    System.out.println ("USN = 2023BMS02586
    Scanner s= new Scanner(system.in);

    String name, author;
    int n, numPages, Price;
    System. out. println ("Enter no of Books");
    n= s. nextInt ();
    Books arr[];
    arr= new Books [n];
    for(int i=0; i<n; i++){
        System.out. println ("Enter the name of the Book");
        name = s. next ();
        System. out. println ("Enter the author of the Book");
        author= s. next ();
        System. out. println ("\n Enter the price of the Book");
        Price = S. nextInt ();
        System. out. println ("\n Enter the total no of pages of the Book");
        numPages = s. nextInt ();
        arr[i] = new Books (name, author, price, numPages);
    }

    for (int i=0; i<n ; i++){
        System. out. println (arr[i]. to String ());
    }
}
}
```

output
USN= 2023BMS02586   Name: Santhosh S
Enter No of Books
3

Enter Name of Book

Sava
Enter the author of Book

Herbert
Enter the price of Book
500
Enter the no of pages of the Book
300

Enter Name of Book
C
Enter Author of Book
Ritchie
Enter the price of Book
400
Enter the no of pages of the Book
200

Enter Name of Book
Python
Enter author of Book
mathes
Enter the price of Book
250
Enter the no of pages of the Books
100

This Book is Sava
Author is Herbert
Price = 500
No of pages 300

This Book is C
Author is Ritchie
Price = 400
No of pages 200

This Book is python
Author is Mathes
Price = 250
No of pages 100