Week 3:

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 the details of the objects. Include a toString( ) method that could display the complete details of the book. Develop a Java program to create n book objects.

```java
import java.util.Scanner;

class Info{
String title; String author; int price; int num_pages;
Info()
{
title = new String();
author = new String();
Scanner ss = new Scanner(System.in);
System.out.println("Please enter the name of the book:\t");
title = ss.next();
System.out.println("Please enter the name of the author:\t");
author = ss.next();
System.out.println("What are its prices and number of pages respectively:\t");
price = ss.nextInt(); num_pages = ss.nextInt();
}
@Override
public String toString()
{
return "Book Title:\t"+title +"\nWritten by:\t"+author +"\nCost:\t"+price
+"\nPages:\t"+num_pages;
}
}
class Author
{
```

```java
public static void main(String args[])
{
int total;
System.out.println("How many books do you want to record: ");
try (Scanner two = new Scanner(System.in))
{
total = two.nextInt();

Info one[] = new Info[total];
for(int i=0;i<total;i++)
{
one[i] = new Info();
}
System.out.println("Do you want to check the information recorded? 0 to exit.");
if(two.nextInt() != 0)
{
for(int i = 0; i<total;i++)
{
System.out.println(one[i]);
}
}
}
}
```

Output:

```
C:\Users\Admin\Desktop\1BM21CS246\246_java>javac Author.java

C:\Users\Admin\Desktop\1BM21CS246\246_java>java Author
How many books do you want to record:
2
Please enter the name of the book:
Game_of_Thrones
Please enter the name of the author:
GRRM
What are its prices and number of pages respectively:
300 800
Please enter the name of the book:
Worm
Please enter the name of the author:
Wildbow
What are its prices and number of pages respectively:
0 3800
Do you want to check the information recorded? 0 to exit.
3
Book Title:      Game_of_Thrones
Written by:      GRRM
Cost:    300
Pages:   800
Book Title:      Worm
Written by:      Wildbow
Cost:    0
Pages:   3800

C:\Users\Admin\Desktop\1BM21CS246\246_java>_
```