

```
import java.util.Scanner;
```

```
public class main {
```

```
    public class static void main(String[] args) {
```

```
        Scanner in = new Scanner(System.in);
```

```
        String name, choice;
```

```
        int bookID, borrowDays;
```

```
        int book1ID = 101;
```

```
        String book1Title = "book 1";
```

```
        String book1Author = "author 1";
```

```
        boolean book1Available = true;
```

```
        String book1Borrower = "";
```

```
        int book1BorrowDays = 0;
```

```
        int book2ID = 102;
```

```
        String book2Title = "Book 2";
```

```
        String book2Author = "Author 2";
```

```
        boolean book2Available = true;
```

```
        String book2Borrower = "";
```

```
        int book2BorrowDays = 0;
```

```
        int book3ID = 103;
```

```
        String book3Title = "Book 3";
```

```
        String book3Author = "Author 3";
```

```
        boolean book3Available = true;
```

```
        String book3Borrower = "";
```

```
        int book3BorrowDays = 0;
```

```
        int book4ID = 104;
```

```
        String book4Title = "Book 4";
```

```
        String book4Author = "Author 4";
```

```
        boolean book4Available = true;
```

```
        String book4Borrower = "";
```

```
        int book4BorrowDays = 0;
```

```
int bookSID = 165;  
String bookSTitle = "Book 5";  
String bookSAuthor = "Author 5";  
boolean bookSAvailable = true;  
String bookSBorrower = "human";  
int bookCBorrowerDays = 3;
```

```
do {
```

```
    System.out.println("Menu Utama");  
    System.out.println("  1. Daftar buku");  
    System.out.println("  2. Peminjaman buku");  
    System.out.println("  3. Pengembalian buku");  
    System.out.println("  4. Daftar buku yang dipinjam");  
    System.out.println("  5. Keluar");  
    System.out.println("Pilih menu: ");
```

```
    choice = in.next();
```

```
    switch (choice) {
```

```
        case "1":
```

```
            System.out.println("Daftar Buku");
```

```
            System.out.println("ID Buku: " + book1ID + "\nJudul: " +  
                book1Title + "\nAuthor: " + book1Author + "\nStatus: " +  
                (book1Available ? "Tersedia" : "Dipinjam"));
```

```
            System.out.println("ID Buku: " + book2ID + "\nJudul: " +  
                book2Title + "\nAuthor: " + book2Author + "\nStatus: " +  
                (book2Available ? "Tersedia" : "Dipinjam"));
```

```
            System.out.println("ID Buku: " + book3ID + "\nJudul: " +  
                book3Title + "\nAuthor: " + book3Author + "\nStatus: " +  
                (book3Available ? "Tersedia" : "Dipinjam"));
```

```
            System.out.println("ID Buku: " + book4ID + "\nJudul: " +  
                book4Title + "\nAuthor: " + book4Author + "\nStatus: " +  
                (book4Available ? "Tersedia" : "Dipinjam"));
```

```
System.out.println("ID Buku: " + bookSID + "\nJudul: " +  
bookSTitle + "\nAuthor: " + bookSAuthor + "\nStatus: " +  
(bookSAvailable ? "Tersedia" : "Dipinjam"));
```

```
break;
```

```
case "2":
```

```
System.out.println("masukan nama peminjam: ");
```

```
in.nextLine();
```

```
name = in.next();
```

```
System.out.println("masukan ID Buku: ");
```

```
bookID = in.nextInt();
```

```
System.out.println("masukan jumlah hari peminjaman: ");
```

```
borrowDays = in.nextInt();
```

```
if (bookID == book1ID && book1Available) {
```

```
book1Available = false;
```

```
book1Borrower = name;
```

```
book1BorrowDays = borrowDays;
```

```
System.out.println("Buku \" + book1Title + "\" berhasil dipinjam oleh: " +  
name + " selama " + borrowDays + " hari");
```

```
} else if (bookID == book2ID && book2Available) {
```

```
book2Available = false;
```

```
book2Borrower = name;
```

```
book2BorrowDays = borrowDays;
```

```
System.out.println("Buku \" + book2Title + "\" berhasil dipinjam  
oleh: " + name + " selama " + borrowDays + " hari");
```

```
} else if (bookID == book3ID && book3Available) {
```

```
book3Available = false;
```

```
book3Borrower = name;
```

```
book3BorrowDays = borrowDays;
```

```
System.out.println("Buku \" + book3Title + "\" berhasil dipinjam  
oleh: " + name + " selama " + borrowDays + " hari");
```

```
} else if (bookID == book4ID && book4Available) {
```

```
book4Available = false;
```

```
book4Borrower = name;
```

```
book4BorrowDays = borrowDays;
```

```
System.out.println("Buku \" + book4Title + "\" berhasil dipinjam  
oleh: " + name + " selama " + borrowDays + " hari");
```





```

} else if (bookID == book5ID) {
    book5Available = true;
    book5Borrower = "";
    System.out.println("Buku \" + book5Title + "\" telah dikembalikan");
} else {
    System.out.println("pengembalian gagal, nama atau id salah");
}
break;

```

case "4":

```

System.out.println("\nDaftar buku yang dipinjam:");
if (!book1Available) {
    System.out.println("ID Buku: " + book1ID + "\nJudul: " +
        book1Title + "\nDipinjam oleh: " + book1Borrower +
        "\nSisa hari: " + book1BorrowerDays);
}
if (!book2Available) {
    System.out.println("ID Buku: " + book2ID + "\nJudul: " +
        book2Title + "\nDipinjam oleh: " + book2Borrower +
        "\nSisa hari: " + book2BorrowerDays);
}
if (!book3Available) {
    System.out.println("ID Buku: " + book3ID + "\nJudul: " +
        book3Title + "\nDipinjam oleh: " + book3Borrower +
        "\nSisa hari: " + book3BorrowerDays);
}
if (!book4Available) {
    System.out.println("ID Buku: " + book4ID + "\nJudul: " +
        book4Title + "\nDipinjam oleh: " + book4Borrower +
        "\nSisa hari: " + book4BorrowerDays);
}

```

