

```
1 Scanner/src/com/Scanner/Solution.java
2
3 // BOOK and Bike are loosely Coupled
4
5 class Bike{
6
7     private String Brand;
8     private String Engine;
9
10    public Bike(String brand, String engine) {
11        Brand = brand;
12        Engine = engine;
13    }
14
15    public String getBrand() {
16        return Brand;
17    }
18
19    public String getEngine() {
20        return Engine;
21    }
22 }
23
24
25 ; class Book{
26
27     private String Title;
28
29     public Book(String title) {
30         Title = title;
31     }
32
33     public String getTitle() {
34         return Title;
35     }
36 }
37
38 // Brain and heart are Tightly coupled
39
40 class Brain{
41
42     private String Human_brain;
43
44     public Brain(String human_brain) {
45         Human_brain = human_brain;
46     }
47 }
```

```
39 // Brain and heart are Tightly coupled
```

```
40 |
41 class Brain{
42
43     private String Human_brain;
44
45     public Brain(String human_brain) {
46         Human_brain = human_brain;
47     }
48
49     public String getHuman_brain() {
50         return Human_brain;
51     }
52 }
```

```
53
54 class Heart{
55
56     private String Size;
57     private String Located;
58
59     public String getSize() {
60         return Size;
61     }
62 }
```

```
53
54 class Heart{
55
56     private String Size;
57     private String Located;
58
59     public String getSize() {
60         return Size;
61     }
62
63     public String getLocated() {
64         return Located;
65     }
66
67     public Heart(String size, String located) {
68         Size = size;
69         Located = located;
70     }
71
72 }
73
```

```

public class Test {

    Brain b = new Brain("Human");

    Heart h=new Heart("Fist","Left of the body");


    public void hasA(Bike b) {
        System.out.println(b.getBrand());
        System.out.println(b.getEngine());
    }

    public void hasB(Book bk) {

        System.out.println(bk.getTitle());
    }

    public static void main(String[] args) {

        Bike b = new Bike("Royal Enfield", "100cc");

        Book bk = new Book("Think Stright");

```

The screenshot shows an IDE with a Java file named 'Test.java' and a console window. The code in the editor is as follows:

```

85
86 public void hasB(Book bk) {
87
88     System.out.println(bk.getTitle());
89 }
90
91 public static void main(String[] args) {
92
93     Bike b = new Bike("Royal Enfield", "100cc");
94
95     Book bk = new Book("Think Stright");
96
97     Test t = new Test();
98
99     System.out.println(t.b.getHuman_brain());
100
101     System.out.println(t.h.getSize()+" "+t.h.getLocated());
102
103     t.hasA(b);
104     t.hasB(bk);
105 }
106
107 }
108

```

The console window shows the output of the program:

```

<terminated> Test (6) [Java Application] C:\Program File
Human
FistLeft of the body
Royal Enfield
100cc
Think Stright

```

