```
C: > Users > raghu > Downloads > 🔰 Student.java > Language Support for Java(TM) by Red Hat > ધ Student
       public class Student {
  1
           private static int count = 0;
           public String Name;
           public int Age;
           private String Course;
           private int ID;
           protected String Hometown;
           // Constructor method will not have any return type including void
           public Student(String name, int age, String course, String hometown)
               this.Name = name;
               this.Age = age;
               this.Course = course;
               this.Hometown = hometown;
               this.register();
           //Constructor which doesn't take any input parameters or function argument
           public Student()
           public Student(String name)
               this.Name = name;
           public String getName()
               return this.Name;
```

```
J Application.java 2
                                       J Book.java 5
                                                         J BookManagement.java 1
                                                                                     J Employee.java 9+
C: > Users > raghu > Downloads > J Employee.java > ...
       public class Employee {
           private String name;
           private String role;
           private String id;
           public Employee(String employeeName, String employeeRole, String employeeId)
               this.name = employeeName;
                this.role = employeeRole;
               this.id = employeeId;
 11
 12
 13
```

```
C: > Users > raghu > Downloads > 🔳 Book.java > Language Support for Java(TM) by Red Hat > ધ Book
       public class Book {
  1
           private String title;
           private String author;
           private String category;
           private String id;
           public Book(String bookTitle, String bookAuthor, String bookCategory, String id)
               this.title = bookTitle;
               this.author = bookAuthor;
               this.category = bookCategory;
               this.id = id;
           public void printBookDetails()
               System.out.println(this.title);
               System.out.println(this.author);
               System.out.println(this.category);
               System.out.println(this.id);
           public String getTitle()
               return this.title;
```

```
public class Application {
    public static void main(String[] args)
        int demo = 5; // creating an integer object and assigning the value 5 , allocated in the stack
        Student newStudent = new Student(); // Heap memory dynamic memory allocation
        newStudent.Name = "Ram";
        newStudent.Age = 50;
        newStudent.Hometown = "Bengaluru";
        // access or invoke or calling public methods of the class for the object new Student
        System.out.println("Student name is " + newStudent.getName());
        System.out.println("Student name age is " + newStudent.getAge());
        Student secondStudent = null;
        if (secondStudent != null)
            secondStudent.Name = "Sita"; // Dead code, this will never be executed
        secondStudent = new Student("Sita", 45, "Science", "Bengaluru");
        System.out.println("Student name is " + secondStudent.getName());
        System.out.println("Student name age is " + secondStudent.getAge());
        BookManagement operations = new BookManagement();
```