M.SNEHA

CSE

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer ×

📄 question1.java   📄 question2.java   📄 question3.java   📄 question4.java   📄 demo.java   📄 Exception.java   📄 question1.java ×

> anud.p
> example1

example2
> JRE System Library JavaSE-20
> src
  example2
  > lab2
    📄 question1.java
    📄 module-info.java

```java
package lab2;

import java.util.Arrays;
public class question1 {

    public static void main(String[] args) {
        int []num = {1,2,3,4,5};
        try {
        System.out.println(num[10]);
        }catch(Exception e) {
        System.out.println("Array index out of bound exception");
        }
    }
}
```

📋 Problems @ Javadoc 🔒 Declaration 🖥 Console ×

<terminated> question1 (1) [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe
Array index out of bound exception

Package Explorer

question1.java   question2.java   question3.java   question4.java   demo.java

```
package lab2;

import java.util.ArrayList;

public class question2 {

    public static void main(String[] args) {
        ArrayList<Integer> num = new ArrayList<Integer>();
        for (int i = 1;i <= 100;i++) {
            num.add(i);
        }
        System.out.println(num);
        for (int i = 1;i < 100;i++) {
            System.out.println(num.get(i));
        }
    }
}
```

Problems   Javadoc   Declaration   Console ×

<terminated> question2 (1) [Java Application] C:\Program Files\Java\jdk-20.0.b\in\javaw.exe (21-Feb-2024, 12:15:31 pm - 12:15:31 pm)

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 2
2
3
4
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```

File   Edit   Source   Refactor   Navigate   Search   Project   Run   Window   Help

Package Explorer

- example1
  - src
  - lab1
  - module-info.java
- example2
  - JRE System Library [JavaSE-20]
  - src
    - example2
    - lab2
      - question1.java
      - question2.java
      - question3.java
      - question5.java
  - module-info.java

question1.java   question2.java   question3.java   question4.java   demo.java   Exception.java   question1.java   question2.java   question5.java   question3.java ×

```java
1  package lab2;
2
3  import java.util.Arrays;
4  public class question3 {
5
6      public static void main(String[] args) {
7          String []element = {"yellow","green","pink","blue"};
8          int len = element.length;
9          for (int i = element.length - 1; i >= 0; i--) {
10             System.out.println(element[i]);
11         }
12     }
13  }
14
15 }
```

Problems   @ Javadoc   Declaration   Console ×

<terminated> question3 (1) [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (21-Feb-2024, 12:33:39pm – 12:33:39pm) [pid: 22464]
blue
pink
green
yellow

Writable   Smart Insert   15:1:315

Package Explorer ×

- anudip
- example1
- JRE System Library
- example2
- module-info.java
- JRE System Library [JavaSE 20
- src
  - example2
  - lab2
    - question1.java
    - question2.java
    - question3.java
    - question5.java
    - module-info.java

Tabs: question1.java | question2.java | question3.java | question4.java | demo.java | Exception.java | question1.java | question2.java | question3.java | question5.java × | question3.java

```java
package lab2;

import java.util.ArrayList;

public class question5 {
    public static void main(String[] args) {
        ArrayList<Integer> num = new ArrayList<Integer>();
        num.add(1);
        num.add(2);
        num.add(3);
        num.add(4);

        int size = num.size();
        int total = 0;

        for (int i = 0; i < size; i++) {
            int x = num.get(i);
            if (x % 2 == 0) {
                total += x;
            }
        }

        System.out.println(num);
        System.out.println("Sum of even numbers: " + total);
    }
}
```

Problems   @ Javadoc   Declaration   Console ×

<terminated> question5 [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (21-Feb-2024, 12:34:36 pm – 12:34:36 pm) [pid: 20300]

```
[1, 2, 3, 4]
Sum of even numbers: 6
```

Writable   Smart Insert   15:9:338

Package Explorer ×

anudp
example1
JRE System Library [JavaSE 20
src
example1
lab1
example2
lab2
question1.java
question2.java
question3.java
question4.java
question5.java
module-info.java

question1.java   question2.java   question3.java   question4.java   demo.java   Exception.java   question1.java   question2.java   question3.java   *question4.java ×

```java
1  import java.util.ArrayList;
2
3  class Book {
4      int bookid;
5      String bookname;
6      String authorname;
7      Book(int bookid, String bookname, String authorname) {
8          this.bookid = bookid;
9          this.bookname = bookname;
10         this.authorname = authorname;
11     }
12 }
13
14 public class question4 {
15     public static void main(String[] args) {
16         ArrayList<Book> books = new ArrayList<>();
17         books.add(new Book(1, "Book1", "Author1"));
18         books.add(new Book(2, "Book2", "Author2"));
19         books.add(new Book(3, "Book3", "Author3"));
20
21         for (Book book : books) {
22             System.out.println("Book ID: " + book.bookid);
23             System.out.println("Book Name: " + book.bookname);
24             System.out.println("Author Name: " + book.authorname);
25             System.out.println(); // Add a blank line for better readability
26         }
27     }
28 }
29
30
```

Problems   @ Javadoc   @ Declaration   Console ×

<terminated> question4 (1) [Java Application] C:\Program Files\Java\jdk-20\bin\javaw.exe (21-Feb-2024, 12:43:06pm – 12:43:06pm) [pid: 18564]

```
Book ID: 1
Book Name: Book1
Author Name: Author1

Book ID: 2
Book Name: Book2
Author Name: Author2

Book ID: 3
Book Name: Book3
```

Writable   Smart Insert   8 : 23 : 123