

```

package CIE;
import java.util.Scanner;
public class internal {
    public int arr[] = new int[5];

    public void setmarks() {
        Scanner s = new Scanner(System.in);
        for (int i = 0; i < arr.length; i++) {
            System.out.println("enter the marks");
            arr[i] = s.nextInt();
        }
    }

    public void getmarks() {
        for (int i = 0; i < arr.length; i++) {
            System.out.println("marks of subject " + (i + 1));
            System.out.println(arr[i]);
        }
    }

    public static void main(String[] args) {
        internal i=new internal();
        i.setmarks();
        i.getmarks();
    }
}

```

```

package CIE;
import java.util.Scanner;

public class student {
    public static void main(String[] args) {
        String usn;
        int sem;
        String name;
        System.out.println("enter name,usn,sem");
        Scanner s = new Scanner(System.in);
        name = s.nextLine();
        usn = s.nextLine();
    }
}

```

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        sem=s.nextInt();
        System.out.println(name);
        System.out.println(usn);
        System.out.println(sem);
    }
}

```

```

package SEE;
import CIE.internal;
import java.util.Scanner;

public class external extends internal{
    public static void main(String[] args) {
        String usn;
        int sem;
        String name;
        System.out.println("enter name,usn,sem");
        Scanner s = new Scanner(System.in);
        name = s.nextLine();
        usn = s.nextLine();
        sem=s.nextInt();
        internal i = new internal();
        i.setmarks();
        i.getmarks();
    }
}

```

```

import CIE.internal;
import SEE.external;

public class finalRes {

    public static void main(String[] args) {
        System.out.println("enter cie marks");
        internal i=new internal();
        i.setmarks();
        System.out.println("enter see marks");
        external e=new external();
    }
}

```

```

        e.setmarks();
        System.out.println("*****");
        for (int j = 0; j < 5; j++) {
            double marks=0;
            marks= (i.arr[j]+e.arr[j])/2;
            System.out.println("grand total subject " +(j+1)+ " marks
"+marks);
        }
    }
}

```

## Output

The screenshot shows an IDE with the following components:

- EXPLORER:** Lists files including `external.java`, `student.java`, `finalRes.java`, and `internal.java`.
- EDITOR:** Displays the `finalRes.java` file with the following code:
 

```

1  import CIE.internal:
{ java finalRes }
  enter cie marks
  enter the marks
  45
  enter the marks
  99
  enter the marks
  90
  enter the marks
  89
  enter the marks
  89
  enter see marks
  enter the marks
  98
  enter the marks
  98
  enter the marks
  76
  enter the marks
  56
  enter the marks
  56
  *****
  grand total subject 1 marks 71.0
  grand total subject 2 marks 98.0
  grand total subject 3 marks 83.0
  grand total subject 4 marks 72.0

```
- TERMINAL:** Shows the output of the program, which matches the code in the editor.