

23/1/24

Lab 6

```
package lie;
import java.util.Scanner;
public class Students {
    {
```

```
        protected String usn = new String();
        protected String name = new String();
        protected int sem;
        public void getdetails()
    {
```

```
        Scanner s = new Scanner(System.in);
        System.out.println("Enter the usn:");
        usn = s.next();
        System.out.println("Enter the name:");
        name = s.next();
        System.out.println("Enter the sem:");
        sem = s.nextInt();
    }
```

```
        public void displaydetails()
    {
```

```
        System.out.println("name: " + name + " " + usn + " " + sem);
    }
```

```
    }
```

```
package lie;
import java.util.Scanner;
public class intervals extends Students {
    {
```

```
        protected int[] marks = new int[5];
        public void getintervals()
    {
```



```

Scanner s = new Scanner(System.in);
for (int i = 0; i < 5; i++)
{
    System.out.println("enter the internal marks of course" + (i+1));
    marks[i] = s.nextInt();
}
}
}

```

```

package see;
import cil.internals;
import java.util.Scanner;
public class external extends internals
{
    protected int mark[] = new int[5];
    protected int finalMarks[] = new int[5];
    public void getexternal()
    {

```

```

        Scanner s = new Scanner(System.in);
        for (int i = 0; i < 5; i++)
        {
            System.out.println("enter the external marks of course" + (i+1));
            mark[i] = s.nextInt();
        }

        public void cal()
        {
            for (int i = 0; i < 5; i++)
                finalMarks[i] = mark[i] / 2 + super.marks[i];
        }
    }
}

```



```

    public void displayFinal()
    {
        displaydetails();
        for (int i=0; i<5; i++)
            System.out.println("course" + (i+1) +
                                ":" + finalMarks[i]);
    }
  
```

```

import see external;
class finalMain
{
    public static void main (String args[])
    {
        int no=2;
        external e[] = new external[no];
        for (int i=0; i<no; i++)
        {
            e[i] = new external();
            ~e[i].getdetails();
            System.out.println("enter the marks");
            e[i].getInternals();
            System.out.println("enter see marks");
            e[i].getexternal();
        }
        System.out.println("displaying details");
        for (int i=0; i<no; i++)
        {
            e[i].call();
            e[i].displayFinal();
        }
    }
}
  
```


Output enter the usn:

IBM2215205

enter the name:

Praneeta

enter the sem:

3

enter the marks

enter internal marks of course 1

45

enter internal marks of course 2

46

enter internal marks of course 3

47

enter internal marks of course 4

48

enter internal marks of course 5

49

enter the marks

enter external marks of course 1

99

enter external marks of course 2

80

enter external marks of course 3

98

enter external marks of course 4

87

enter external marks of course 5

96

enter the usn:

IBM2215206

enter the name:

Ruchila

enter file sem:

3.

enter the ic marks

enter the internal marks of course 1

45

enter the internal marks of course 2

43

enter the internal marks of course 3

46

enter the internal marks of course 4

50

enter the internal marks of course 5

44

enter see marks

enter the external marks of course 1

98

enter the external marks of course 2

99

enter the external marks of course 3

87

enter the external marks of course 4

89

enter the external marks of course 5

90

displaying details:

name: Pranata usn: IBM22IS205 sem: 3

course 1: 94

course 2: 86

course 3: 96

course 4: 91

course 5: 98

name: Rushila usn: IBM22IS206 sem: 3

display

course 1: 92

course 2: 72

course 3: 89

course 4: 94

course 5: 87

8
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