

23/1/24

Lab 06

```
package CIE;  
public class Student {  
    public int usn, sem;  
    public String name; public Student(){}  
public Student () {  
    public Student (String nameargs, intargs usn, intargs sem)  
        this.name = name;  
        this.usn = usn;  
        this.sem = sem; } }
```

```
package CIE;  
public class Internals extends Student {  
    public int imarks[] = new int [5];  
    public internals () {}  
    public Internals (String name, int usn, int sem) {  
        super (name, usn, sem); } }
```

```
package SEE;  
public class Externals extends CIE.student {  
    public int emarks[] = new int [5];  
}
```



```
import java.util.Scanner;
import CIE.student;
import CIE.Externals;
import GEE-Externals;
```

```
class Lab 96 {
```

```
    public static void main (String args []) {
```

```
        Scanner sc = new Scanner (System.in);
```

```
        String name;
```

```
        int usn, sem;
```

```
        System.out.println ("Enter the no. of  
students");
```

```
        int n = sc.nextInt();
```

```
        Internals in[] = new Internals [n];
```

```
        Externals ex[] = new Externals [n];
```

```
        for (int i = 0; i < n; i++) {
```

```
            System.out.println ("Enter name of student"  
+ (i+1) + ":");
```

```
            name = sc.nextLine();
```

```
            System.out.println ("Enter usn " + (i+1) + ":");
```

```
            usn = sc.nextInt();
```

```
            System.out.println ("Enter sem " + (i+1) + ":");
```

```
            sem = sc.nextInt();
```

```
            in[i] = new Internals (name, usn, sem);
```

```
            ex[i] = new Externals ();
```



```

System.out.println("Enter 5 internal marks");
for (j=0; j<5; j++) {
    int[i].imarks[j] = sc.nextInt();
}
System.out.println("Enter 5 external marks");
for (j=0; j<5; j++) {
    ex[j] = emarks[j] = sc.nextInt();
}

```

```

for (int i=0; i<n; i++) {
    System.out.println("Details of student" + (i+1) +
        "\n");
    System.out.println("Name:" + in[i].name + "\n"
        + "USN" + in[i].usn + "\n" + "Sem:" + in[i].s);
    System.out.println("Internal mark:");
    for (int j=0; j<5; j++) {
        System.out.println("Subject" + (i+1) + ":" +
            in[i].imarks[j] + "\n");
    }
    System.out.println("External mark:");
    for (int j=0; j<5; j++) {
        System.out.println("Subject" + (i+1) + ":" +
            ex[i].emarks[j] + "\n");
    }
    System.out.println("In Total marks:");
    for (int j=0; j<5; j++) {
        System.out.println("Subject" + (i+1) +
            ":" + in[i].imarks[j] + ex[i].marks[j]

```


OUTPUT

Page No:

DATE: / /

Enter no. of students : 1

Enter name of student 1 : nidhi

Enter usn of 1 : 12345

Enter sem of 1 : 2

Enter the internal marks of student in 5 subjects :

45

34

43

28

48

Enter the external marks of student in 5 subjects

48

49

47

49

49

Details of student 1:

Name : nidhi USN : 12345 sem : 2

Internal marks

Subject 1: 45 Subject 2: 34 Subject 3:

43 Subject 4: 28 Subject 5: 48

External marks

Subject 1: 48

Subject 2: 49

Subject 3: 47

Subject 4: 49

Subject 5: 49.

Total marks

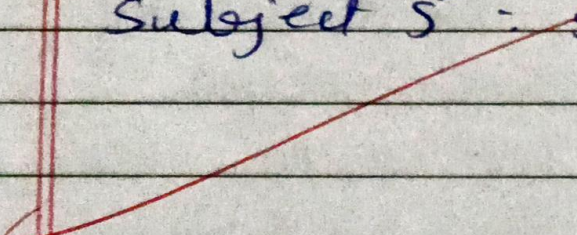
Subject 1: 93

Subject 2: 83

Subject 3: 90

Subject 4: 77

Subject 5: 97.


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