

Lab Program - 6

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```
import java.util.*;
import CIE.*;
import SIE

public class personal
{
    public String usn, name;
    public int sem;

    public void read()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter your usn & name");
        usn = sc.nextLine();
        name = sc.nextLine();
        System.out.println("Enter your semester");
        sem = sc.nextInt();
    }

    public void display()
    {
        System.out.println("Student details:");
        System.out.println("Name: " + name + "\nUSN: " + usn +
            "\nSemester: " + sem);
        System.out.println();
    }
}

package CIE;
import java.util.*;
public class Internals extends Personal
{
    public double cie[];
    public void accept()
    {
        cie = new double[5];
        int i;
    }
}
```

```

Scanner sc = new Scanner(System.in);
for (i=0; i<4; i++)
{
    System.out.println("Enter the cie marks for subjects" + (i+1) + " ");
    cie[i] = sc.nextDouble();
}
}
}

```

```

package SEE;
import CIE.*;
import java.util.*;
public class External extends Personal
{
    public double see[];
    public void get()
    {
        see = new double[5];
        int i;
        Scanner sc = new Scanner(System.in);
        for (i=0; i<5; i++)
        {
            System.out.println("Enter the see marks for subjects " + (i+1) + " ");
            see[i] = sc.nextDouble();
        }
    }
}
}

```

```

class lab6
{
    public static void main (String args[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of student");
        int n = sc.nextInt();
        CIEInternals in[] = new CIEInternals[n];
    }
}

```

```

SEE.Externals en[] = new SEE.Externals [5];
int i, j;
for (i=0; i<n; i++)
{
    System.out.println("Student "+ (i+1));
    in[i] = new CIE.Internals();
    en[i] = new SEE.Externals();
    in[i].read();
    System.out.println("CIE marks:");
    in[i].accept();
    System.out.println("SEE marks:");
    en[i].get();
    System.out.println();
    in[i].display();
    for (j=0; j<5; j++)
        System.out.println("Final total marks for
        subject "+ (j+1) + ": " + (in[i].cie[j] + (en[i].see[j/2])));
    System.out.println();
}
}
}

```