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1BM19CS187

3D Batch-2

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LAB-6

```
package CIE;  
import java.util.Scanner;  
public class Internals extends  
Student
```

```
package CIE;  
import java.util.*;  
public class personal  
{  
    public String name;  
    public int sem;  
    public String usn;
```

```
    public void read()  
    {  
        Scanner sc = new  
        Scanner(System.in);  
        System.out.println("Enter the semester");  
        sem = sc.nextInt();  
        System.out.println("Enter the USN");  
        usn = sc.next();  
    }  
    public void display()  
    {  
        System.out.println("Student details:");  
        System.out.println("Name: " + name + "\n  
        USN: " + usn + "\n Sem: " + sem);  
    }  
}
```

```

package SEE;
import java.util.*;
import CIE.*;
public class externals extends personal
{
    public double see[];
    public void get ()
    {
        see = new double [5];
        Scanner sc = new
        Scanner(System.in);
        for (int i = 0 ; i < 5 ; i++)
        {
            System.out.println("SEE mark for course " + (i+1) +
                               " : ");
            see[i] = sc.nextDouble();
        }
    }
}

```

```

package CIE;
import java.util.*;
public class internals extends personal
{
    public double cie[];
    public void accept ()
    {
        cie = new double [5];
        Scanner sc = new
        Scanner(System.in);
        for (int i = 0 ; i < 5 ; i++)

```

```
{  
    System.out.println("CIE mark for course "  
        + (i+1) + ":");  
    cie[i] = sc.nextDouble();  
}
```

```
}
```

```
}
```

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

```
class Main
```

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

```
{
```

```
    Scanner sx = new Scanner(System.in);  
    System.out.println("Enter the number of  
        students");
```

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

```
    CIE.internals in[] = new
```

```
    CIE.internals[n];
```

```
    SEE.externals en[] = new
```

```
    SEE.externals[n];
```

```
    int i, j;
```

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

```
{
```

```
System.out.println("Student" + (i+1));
```

```
int[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();
```

```
int[i].display();
```

```
for(j=0; j<5; j++)
```

```
System.out.println("Total Marks for course"
+ (j+1) + " : " + (in[i].cie[j] + (en[i].
see[j] / 2)));
```

```
}
```

```
}
```

```
}
```