

```
package CIE;

public class Student
{ public String usn,name;

  public int sem;
}
```

```
package CIE;

import java.util.Scanner;
```

```
public class Internals extends Student
{ public int cie[]=new int[5];

  Scanner get=new Scanner(System.in);

  public void geti()
  { System.out.println("Enter Details: ");

    System.out.println("USN :");

    usn = get.next();

    System.out.println("NAME :");

    name =get.next();

    System.out.println("SEMESTER :");

    sem =get.nextInt();

    System.out.println("CIE MARKS :");

    for(int i=0;i<5;i++)
    { System.out.println("Subject "+(1+i));

      cie[i]=get.nextInt(); }

  }

  public void dispi()
  { System.out.println("\nUSN :"+usn);

    System.out.println("NAME :"+name);

    System.out.println("SEMESTER :"+sem);

    System.out.println("CIE :");

    for(int i=0;i<5;i++)
    { System.out.printf("%d\t",cie[i]); }

    System.out.println("\nSEE :");

  }
}
```

```

package SEE;

import java.util.Scanner;

public class Externals extends CIE.Student
{ public int see[]=new int[5];

  Scanner get=new Scanner(System.in);

  public void getm()
  { for(int i=0;i<5;i++)
    { System.out.println("Subject "+(1+i));
      see[i]=get.nextInt(); }
  }

  public void dispsm()
  {for(int i=0;i<5;i++)
    { System.out.printf("%d\t",see[i]); }
  }
}

```

```

import java.util.Scanner;

import CIE.*;

import SEE.*;

```

```

class TotalMarks
{ public static void main(String args[])
{ Scanner get=new Scanner(System.in);

  int n;

  System.out.println("Enetr the no of students: ");
  n=get.nextInt();

  CIE.Internals ints[]=new CIE.Internals[n];
  SEE.Externals exts[]=new SEE.Externals[n];

  for(int i=0;i<n;i++)
  { ints[i]=new CIE.Internals();
    exts[i]=new SEE.Externals();
    ints[i].geti();
  }
}
}

```

```
        System.out.println("SEE MARKS :");
        exts[i].getm();
    }
    for(int i=0;i<n;i++)
    { ints[i].dispi();
int total=0;
exts[i].dispsm();
        for(int j=0;j<5;j++)
        { total=total+ints[i].cie[j]+exts[i].see[j];}
    System.out.println("\nTOTAL MARKS : "+total);
    }
}
}
```

```
Command Prompt
D:\Java\jdk1.8.0_261\bin\prog\week9>java TotalMarks
Enter the no of students:
2
Enter Details:
USN :
1bms1a
NAME :
abhay
SEMESTER :
2
CIE MARKS :
Subject 1
1
Subject 2
2
Subject 3
3
Subject 4
4
Subject 5
5
SEE MARKS :
Subject 1
1
Subject 2
2
Subject 3
3
Subject 4
4
Subject 5
5
Enter Details:
USN :
1bmsb2
NAME :
bhav
SEMESTER :
1a
```

```
Command Prompt
Enter Details:
USN :
1bmsb2
NAME :
bhav
SEMESTER :
10
CIE MARKS :
Subject 1
20
Subject 2
30
Subject 3
30
Subject 4
10
Subject 5
40
SEE MARKS :
Subject 1
12
Subject 2
23
Subject 3
34
Subject 4
13
Subject 5
24
USN :1bms1a
NAME :abhay
SEMESTER :2
CIE :
1    2    3    4    5
SEE :
1    2    3    4    5
TOTAL MARKS : 30
1a
```

```
Subject 1
12
Subject 2
23
Subject 3
34
Subject 4
13
Subject 5
24

USN :1bms1a
NAME :abhay
SEMESTER :2
CIE :
1      2      3      4      5
SEE :
1      2      3      4      5
TOTAL MARKS : 30

USN :1bmsb2
NAME :bhav
SEMESTER :10
CIE :
20      30      30      10      40
SEE :
12      23      34      13      24
TOTAL MARKS : 236

D:\Java\jdk1.8.0_261\bin\prog\week9>
```