

```

1 import java.util.*;
2
3 class Height
4 {
5     private int feet;
6     private int inches;
7
8     public void getDistance()
9     {
10         Scanner sc=new Scanner(System.in);
11
12         System.out.print("Enter feet: ");
13         feet=sc.nextInt();
14         System.out.print("Enter inches: ");
15         inches=sc.nextInt();
16     }
17     public void showDistance()
18     {
19         System.out.println("Feet: "+ feet + "\tInches: "+ inches);
20     }
21
22     public void addDistance(Height H1, Height H2)
23     {
24         inches=H1.inches+H2.inches;
25         feet=H1.feet+H2.feet+(inches/12);
26         inches=inches%12;
27     }
28 }
29
30 public class Main
31 {
32     public static void main(String []s)
33     {
34         try
35         {
36
37             Height H1=new Height();
38             Height H2=new Height();
39             Height H3=new Height();

```



```

28 }
29
30 public class Main
31 {
32     public static void main(String []s)
33     {
34         try
35         {
36
37             Height H1=new Height();
38             Height H2=new Height();
39             Height H3=new Height();
40
41             //read first Height
42             System.out.println("k.Durga sri sravya ");
43             System.out.println("Enter first Height:");
44             H1.getDistance();
45
46             //read second Height
47             System.out.println("Enter second Height");
48             H2.getDistance();
49
50             //add heights
51             H3.addDistance(H1,H2);
52             //print Height
53             System.out.println("Total Height is:" );
54             H3.showDistance();
55         }
56         catch (Exception e)
57         {
58             System.out.println("Exception occurred");
59         }
60     }
61 }

```





```
k.Durga sri sravya SAPID:51836473
Enter first Height:
Enter feet: 4
Enter inches: 67
Enter second Height:
Enter feet: 5
Enter inches: 190
Total Height is:
Feet: 30 Inches: 5

Process finished.
```

```

1  abstract class Furniture {
2
3      protected String color;
4      protected int width;
5      protected int height;
6      public abstract void accept();
7      public abstract void display();
8  }
9
10     class chair extends Furniture {
11
12         private int numOf_legs;
13
14         public void accept() {
15
16             color = "Brown";
17             width = 36;
18             height = 48;
19             numOf_legs = 4;
20         }
21
22         public void display() {
23             System.out.println("DISPLAYING VALUE FOR CHAIR")
24             System.out.println("=====")
25             System.out.println("Color is" + color);
26             System.out.println("Width is" + width);
27             System.out.println("Height is" + height);
28             System.out.println("Number of legs is" + numOf_
29             System.out.println(" ");
30         }
31     }
32
33     class Bookshelf extends Furniture {
34
35         private int numOf_shelves;
36
37         public void accept() {
38
39             color = "Black";
40             width = 72;
41             height = 84;
42             numOf_shelves = 4;

```




```

34 public void accept() {
35
36     color = "Black";
37     width = 72;
38     height = 84;
39     numOf_shelves = 4;
40 }
41 public void display () {
42     System.out.println("K.Durga sri sravya SAPID");
43     System.out.println("DISPLAYING VALUES FOR BOOKSHELF");
44     System.out.println
45 ("=====");
46
47     System.out.println("Color is" + color);
48     System.out.println("Width is" + width);
49     System.out.println("Height is" + height);
50     System.out.println("Number of shelves is" + numOf_shelves);
51     System.out.println(" ");
52 }
53 }
54
55 class FurnitureDemo {
56     public static void main(String[] args) {
57         Bookshelf b1 = new Bookshelf();
58         b1.accept();
59         b1.display();
60
61
62         chair c1 = new chair ();
63         c1.accept();
64         c1.display();
65
66     }
67 }

```



K.Durga sri sravya SAPID:51836473

DISPLAYING VALUES FOR BOOKSHELF

=====

Color isBlack

Width is72

Height is84

Number of shelves is4

DISPLAYING VALUE FOR CHAIR

=====

Color isBrown

Width is36

Height is48

Number of legs is4

Process finished.

```

1 import java.util.*;
2
3 class Main
4 {
5     public static int[] remove(int[] x, int key) {
6
7         List<Integer> result = new ArrayList<>();
8
9         for (int y: x) {
10             if (y != key) {
11                 result.add(y);
12             }
13         }
14
15         return result.stream()
16             .mapToInt(Integer::intValue)
17             .toArray();
18     }
19
20     public static void main(String[] args) {
21         int[] x = { 1, 23, 2, 4, 23, 2, 5, 6, 2 };
22         int key = 2;
23
24         x = remove(x, key);
25         System.out.println("K.durga sri sravya SAPID:");
26         System.out.println(Arrays.toString(x));
27     }
28 }

```

x Terminal



```

K.durga sri sravya SAPID:51836473
[1, 23, 4, 23, 5, 6]

Process finished.

```

```

1
2 public class Pyramid
3 {
4     public static void main(String[] args)
5     {
6         System.out.println("K.Durga sri sravya ");
7         int i=0,j=0,n=6,k=0;
8         for(i=0; i<n; i++)
9         {
10             k=1;
11             for(j=0; j<(n+i); j++)
12             {
13                 if(j<n-i-1)
14                     System.out.print(" ");
15                 else
16                 {
17                     System.out.print(""+k);
18                     if(j<(n-1))
19                         k++;
20
21                     else
22                         k--;
23                 }
24             }
25             System.out.println(" ");
26         }
27     }
28
29 }

```

× Terminal



K.Durga sri sravya

1

121

12321

1234321

123454321

12345654321


```

import java.util.Scanner;

public class HelloWorld {
    public static float getSum(int a, int n)
    {
        // variable to store the answer
        float sum = 0;
        for (int i = 1; i <= n; ++i) {

            // Math.pow(x, y) returns x^y
            sum += (i / Math.pow(a, i));
        }
        return sum;
    }
    public static void main(String[] args)
    {
        System.out.println("K.Durga sri sravya SAPID:51836473");
        int a = 3, n = 3;

        // Print the sum of the series
        System.out.println(getSum(a, n));
    }
}

```

× Terminal



```

K.Durga sri sravya SAPID:51836473
0.6666667

```

Process finished.