



```
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: "+
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         System.out.println("Question no:1\nAuthor:B.padma:
35         try
36         {
37
38             Height H1=new Height();
39             Height H2=new Height();
40             Height H3=new Height();
41
42             //read first Height
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 :"+ e.to
59         }
60     }
61 }
```



Terminal



```
Question no:1
Author:B.padmasai
Sap id:51834617
Enter first Height:
Enter feet: 5
Enter inches: 6
Enter second Height:
Enter feet: 4
Enter inches: 8
Total Height is:
Feet: 10 Inches: 2
```

```
Process finished.
```

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```

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1 import java.util.Scanner;
2 class Furniture extends Fur{
3 public static void main(String args[])
4 {
5     System.out.println("Question no:2\nAuthor:B.padmasa
6 Scanner scan = new Scanner(System.in);
7 System.out.println("Welcome to furniture world");
8 System.out.println("enter your name");
9 String name = scan.nextLine();
10 System.out.println("customer name: "+name);
11 Fur s = new Fur();
12 s.getInput();
13 }
14 }
15 class Fur{
16     Scanner scan = new Scanner(System.in);
17     int choice;
18 public void getInput(){
19 System.out.println("select one option:");
20 System.out.println("1.Make an order");
21 System.out.println("2.exit");
22 System.out.println("enter any option");
23 int choice = scan.nextInt();
24 switch (choice){
25     case 1:
26         getDetails();
27         break;
28     case 2:
29         System.out.println("Thank you for visiting");
30         break;
31     default:
32         System.out.println("enter valid option");
33 }
34 }
35 }
36 public void getDetails(){
37 System.out.println("Furniture World");
38 System.out.println("Available stock");
39 System.out.println("1.Chair");
40 System.out.println("2.beds");
41 System.out.println("3.shelves");
42 System.out.println("enter any option");
43 choice=scan.nextInt();
44 switch(choice){
45 case 1:
46     getChair();
47     getInput();
48     break;
49 case 2:
50     getBed();
51     getInput();
52     break;
53 case 3:
54     getShelves();
55     getInput();
56     default:
57         System.out.println("enter valid option");
58 }
59 }
60 }
61 public void getChair(){
62 System.out.println("which type of chair you want");
63 String type = scan.nextLine();
64 System.out.println("any specifications or changes(if
65 String spec = scan.nextLine();
66 System.out.println("How many number of chairs");
67 int num = scan.nextInt();
68 System.out.println("TYPE , SPECIFICATIONS , NUMBER");
69 System.out.println(type+" "+spec+" "+num);
70 }
71 public void getBed(){
72 System.out.println("which type of bed you want");
73 String typ = scan.nextLine();
74 System.out.println("any specifications or changes(if
75 String spe = scan.nextLine();
76 System.out.println("How many number of beds");
77 int nu = scan.nextInt();
78 System.out.println("TYPE , SPECIFICATIONS , NUMBER");
79 System.out.println(typ+" "+spe+" "+nu);
80 }
81 public void getShelves(){
82 System.out.println("which type of shelfe you want");
83 String types = scan.nextLine();
84 System.out.println("any specifications or changes(if
85 String specs = scan.nextLine();
86 System.out.println("How many number of shelves");
87 int numb = scan.nextInt();
88 System.out.println("TYPE , SPECIFICATIONS , NUMBER");
89 System.out.println(types+" "+specs+" "+numb);
90 }
91 }

```



```
Question no:2
Author:B.padmasai
Sap id:51834617
Welcome to furniture world
enter your name
sai
customer name: sai
select one option:
1.Make an order
2.exit
enter any option
1
Furniture World
Available stock
1.Chair
2.beds
3.shelves
enter any option
2
which type of bed you want
any specifications or changes(if no please enter)
no
How many number of beds
2
TYPE , SPECIFICATIONS , NUMBER
no 2
select one option:
1.Make an order
2.exit
enter any option
```

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```
1 public class Main
2 {
3     public static void main(String[] args)
4     {
5         System.out.println("Question no:4\nAuthor:B.padm
6         int i,j,k;
7         for(i=1;i<=5;i++)
8         {
9             for(j=5;j>i;j--)
10            {
11                System.out.print(" ");
12            }
13            if(i%2!=0)
14            {
15                for(j=1,k=1;j<=2*i-1;j++)
16                {
17                    if(j<i)
18                    {
19                        System.out.print(k);
20                        k++;
21                    }
22                    else
23                    {
24                        System.out.print(k);
25                        k--;
26                    }
27                }
28            }
29            else
30            {
31                for(j=1,k=i;j<=2*i-1;j++)
32                {
33                    if(j<i)
34                    {
35                        System.out.print(k);
36                        k--;
37                    }
38                    else
39                    {
40                        System.out.print(k);
41                        k++;
42                    }
43                }
44            }
45            System.out.println();
46        }
47    }
48 }
```

File info





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```
Question no:4
Author:B.padmasai
Sap id:51834617
    1
    212
    12321
    4321234
    123454321

Process finished.
```

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```
1 import java.util.Scanner;
2
3 public class DemoTranslation
4 {
5     public static void main(String[] args)
6     {
7         System.out.println("Question no:5\nAuthor:B.padi
8         int n;
9         float sum;
10        int count;
11        System.out.print("Enter total number of terms : "
12        n = STDIN_SCANNER.nextInt();
13        sum = 0.0f;
14        count = 1;
15        for(int i = 1; i <= n; i++)
16        {
17            sum = sum + (float)Math.pow(count, 2) / (float)Matl
18            count += 2;
19        }
20        System.out.printf("Sum of the series is: %f", sum);
21    }
22    public final static
23    Scanner STDIN_SCANNER = new Scanner(System.in);
24 }
```



Share





```
Question no:5  
Author:B.padmasai  
Sap id:51834617  
Enter total number of terms : 3  
Sum of the series is: 1.533333  
Process finished.  
|
```

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