```
import java util ";
    class Height
        private int feet;
        private int inches;
        public void getDistance()
        ₹
            Scanner sc=new Scanner(System.in);
            System.out.print("Enter feet: ");
            feet=sc.nextInt();
            System.out.print("Enter inches: ");
            inches=sc.nextInt();
        public void show Distance()
        ₹
            System.out.println("Feet: "+ feet + "\tInches: "+ inches);
        }
        public void addDistance(Height H1, Height H2)
        {
                                                          冖
           Terminal
   ×
author: P. Jaganmohan
SAP ID:51834796
Enter first Height:
Enter feet: 34
Enter inches: 23
Enter second Height:
Enter feet: 24
Enter inches: 65
Total Height is:
Feet: 65 Inches: 4
Process finished.
```

```
abstract class Furniture {
     protected String color;
     protected int width;
     protected int height;
     public abstract void accept();
    public abstract void display();
       class chair extends Furniture {
     private int numOf_legs;
     public void accept() {
     color = "Brown";
     width = 36;
     height = 48;
     numOf_{legs} = 4;
      public void display()
     System.out.println("DISPLAYING VALUE FOR CHAIR"),
     System.out.println("==
     System.out.println("Color is" + color);
          Terminal
DISPLAYING VALUES FOR BOOKSHELF
Color is Black
Width is 72
Height is 84
Number of shelves is 4
DISPLAYING VALUE FOR CHAIR
Color is Brown
Width is 36
Height is 48
Number of legs is 4
Process finished.
```

```
import java util. ";
    class Main
        public static int[] remove(int[] x, int key) {
             List<Integer> result = new array List<>();
             for (int y: x) {
                 if (y != key) {
                      result.add(y);
             }
             return result.stream()
                          .mapToInt(Integer::intValue)
                           .toarray();
        }
        public static void main(String[] args) {
             int[] x = \{ 1, 4, 1, 3, 1, 2, 1, 0 \};
             int key = 1;
             x = remove(x, key);
             System.out.println("author: P. Jaganmohan\nSaP ID: 5)
             System.out.println(arrays.toString(x));
    X
            Terminal
    ×
author: P. Jaganmohan
SAP ID:51834796
[4, 3, 2, 0]
Process finished.
```

```
public class Main
{
        public static void main(String[] args)
        {
           int i,j,k;
           for(i=1;i<=5;i++)
              for(j=5;j>i;j--)
                 System.out.print(" ");
              if(i%2!=0)
                 for(j=1,k=1;j<=2*i-1;j++)
                    if(j<i)
                    {
                       System.out.print(k);
                    {
                       System.out.print(k);
              >
                 for(j=1,k=i;j<=2*i-1;j++)
                 ₹
                    if(j<i)
   ×
           Terminal
   1
  212
 12321
4321234
123454321
Process finished.
```

```
import java util Scanner,
    public class DemoTranslation {
    public static void main(String[] args) {
    int n:
    float sum;
    int count;
    System.out.print("\nEnter total number of terms :: ");
    n = STDIN_SCANNER.nextInt();
15 \text{ sum} = 0.0f;
18 count = 1;
19 for (int i = 1; i <= n; i++) {
20 sum = sum + (float)Math.pow(count, 2) / (float)Math.pow(count, 3
    count += 2;
22 }
24 System.out.printf("\nSum of the series is :: %f\n", sum);
   public final static Scanner STDIN_SCANNER = new Scanner(5
           Terminal
                                                           冖
   ×
Enter total number of terms :: 6
Sum of the series is :: 1.878211
Process finished.
```