

```

package collection;
import java.util.*;
public class array_sumpairs {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int a[]={1,2,3,4,5,6,7,8,9};
        //int sum=10;
        // int cnt=0;
        Scanner s=new Scanner(System.in);
        System.out.println("Enter the sum number to find
pair :");
        int sum=s.nextInt();
        int i=0;
        int j=a.length-1;
        while(i<j){
            if(a[i]+a[j]==sum) {
                //cnt++;

System.out.println("pair("+a[i]+","+a[j]+")");
                i++;
                j--;
            }
            else if (a[i]+a[j]<sum) {
                i++;
            }
            else {
                j--;
            }
        }
    }
}

```

Output:

Enter the sum number to find pair :

7

pair(1,6)

pair(2,5)

pair(3,4)