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Algorithm

Step 1: Start

Step 2: Input n

Step 3: Repeat for $(i=0; i<n; i++)$

      input $a[i]$

      output $a[i]$

      End [for]

Step 4: Repeat for $(i=0; i<n; i++)$

      Repeat for $(j=0; j<i; j++)$

         if $(a[i] == a[j])$

         break.

      if $(i==j)$

         count = count + 1

      [End for]

      [End for]

Step 5: output count

Step 6: Stop

Flowchart

```
                    Start
                      ↓
                  Input n
                      ↓
            for(i=0; i<n; i++)
                      ↓
                Input a[i]
                      ↓
            for(i=0; i<n; i++)
                      ↓
            for(j=0; j<=i; j++)
                      ↓
              a[j]==a[i]? ──False──→
                      ↓ True
                 if(i==j)
                      ↓
              count = count+1
                      ↓
              Output count
                      ↓
                   Stop
```