

Problem Statement:

1.C program to find number of subarrays in an array that start and ends with the same element.

```
#include<stdio.h>

void main()

{
int a[]={ 1,2,1,5,2 };
int n=sizeof(a)/sizeof(int);
int result=0,val,i,j;
for(i=0;i<n;i++)
{
result++;
val=a[i];
for(j=i+1;j<n;j++)
{
if(a[j]==val)
result++;
}
}
printf(“%d”,result);
}
```