```c
#include<stdio.h>
int main()
{
 int size,i;
 //get array size from user
 printf("Enter the size of array: ");
 scanf("%d",&size);
 int arr1[size],arr2[size],vec[size],scalarProd=0;
 //get elements of array 1 from user
 printf("Enter %d elements for first array:\n",size);
 for(i=0;i<size;i++)
 scanf("%d",&arr1[i]);
 //get elements of array 2 from user
 printf("Enter %d elements for second array:\n",size);
 for(i=0;i<size;i++)
 scanf("%d",&arr2[i]);
 //vector product
 printf("Vector Product:\n");
 for(i=0;i<size;i++)
 {
 vec[i]=arr1[i]*arr2[i];
 printf("%d ",vec[i]);
 }
 //scalar product
 for(i=0;i<size;i++)
 scalarProd+=arr1[i]*arr2[i];
 printf("\nScalar Product: %d",scalarProd);
 return 0;
}
```