# TUTORIAL 6

#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;

}