1. Write a program to read and display n numbers using an array.

//stdio

fget()s,fputs(),printf(),scanf(),getchar()

//Write a program to read and display n numbers using an array.

#include<stdio.h>

int main(){

int arr[10]={1,2,3,4,5,6,7,8,9,0};

int length=sizeof(arr)/sizeof(arr[0]);

for(int i=0;i<length;i++){

printf("%d\n",arr[i]);

}

}

//output

1

2

3

4

5

6

7

8

9

0

1. Write a program to find the average of n numbers using arrays..

//Write a program to find the average of n numbers using arrays...

#include<stdio.h>

int main(){

int arr[10]={1,2,3,4,5,6,7,8,9,0};

int sum=0;

int length=sizeof(arr)/sizeof(arr[0]);

for(int i=0;i<length;i++){

sum=arr[i]+sum;

}

printf("%d\n",sum);

}

//OUTPUT

45

1. Write a program to print the position of the smallest number of n numbers using arrays.

//Write a program to print the position of the smallest number of n numbers using arrays.

#include<stdio.h>

int main(){

int arr[10]={39,90,80,34,86,97,12,32,67,54};

int smallNum=arr[0];

int length=sizeof(arr)/sizeof(arr[0]);

for(int i=0;i<length;i++){

smallNum = (smallNum < arr[i]) ? smallNum : arr[i];

printf("%d\n",smallNum);

}

printf("\nTHe smallest number is:%d",smallNum);

}

//OUTPUT

[?2004l

39

39

39

34

34

34

12

12

12

12

THe smallest number is:12

[?2004h

1. Write a program to find the second largest of n numbers using an array.
2. Write a program to find whether the array of integers contains a duplicate number.
3. Write a program to insert a number at a given location in an array.
4. Write a program to insert a number in an array that is already sorted in ascending order.
5. Write a program to delete a number from a given location in an array.
6. Write a program to delete a number from an array that is already sorted in ascending order.
7. Write a program to merge two unsorted arrays.
8. Write a program to merge two sorted arrays.
9. Write a program to read an array of n numbers and then find the smallest number using functions.
10. Write a program to interchange the largest and the smallest number in an array using functions.
11. Write a program that reads an array of 100 integers. Display all the pairs of elements whose sum is 50.
12. Write a program to interchange the second element with the second last element.
13. Write a program to read and display a square (using functions).
14. Write a program to read two floating point number arrays. Merge the two arrays and display the resultant array in reverse order.
15. Write a program to read a floating point array. Update the array to insert a new number at the specified location.

1.