// Write a program to input an integer numbers and find the highest number among them.

#include <stdio.h>

int main()

{

int num[5],n,i,high;

printf("Enter value of n");

scanf("%d",%n);

printf("Enter numbers");

for(i=0;i<n;i++){

scanf("%d",%num[i]);

}

high=num[0];

for(i=0;i<5;i++){

if(num[i]>high)

high=num[i];

}

printf("The highest number of the array is %d",high);

return 0;

}

//Write a ‘C’ program to store n numbers in an array and find the smallest number among them.

#include<stdio.h>

int main(){

int num[5],i,n,small;

printf("Enter the value of n");

scanf("%d",&n);

printf("Enter numbers");

for(i=0;i<n;i++){

scanf("%d",&num[i]);

}

small=num[0];

for(i=0;i<5;i++){

if(num[i]<small){

small=num[i];

}

}

printf("The smallest number of the array is %d", small);

return 0;

}

//Write a C program to input the ages of ‘10’ students and count the number of students who has the age in between 17-19.

#include<stdio.h>

int main(){

int age[10],i,n,count=0;

printf("Enter the value of n");

scanf("%d",&n);

for(i=0;i<n;i++){

printf("Enter ages");

scanf("%d",&age[i]);

}

for(i=0;i<n;i++){

if(age[i]>17&&age[i]<19){

count=count+1;

}

}

printf("No. of students aged between 17 and 19 %d", count);

return 0;

}

//Write a C program to display the multiplication table of series of given numbers entered by the user.

#include<stdio.h>

int main(){

int multi[10],i,n,j;

printf("Enter the value of n");

scanf("%d",&n);

for(i=0;i<n;i++){

printf ("Enter numbers");

scanf("%d",&multi[i]);

}

for(i=0;i<n;i++){

for(j=1;j<11;j++){

printf("\n%d\*%d=%d",multi[i],j,multi[i]\*j);

}

}

return 0;

}

//Write a C program to read salaries of 10 employees and count the number of employees getting salary in between 5000 - 10000.

#include<stdio.h>

int main(){

int salary[10],i,n,count;

printf("Enter the value of n");

scanf("%d",&n);

for (i=0;i<n;i++){

printf("Enter salaries");

scanf("%d",&salary[i]);

}

for(i=0;i<n;i++){

if(salary[i]>50000&&salary[i]<100000){

count=count+1;

}

printf("The number of employees getting salary in between 5000 - 10000 %d",count);

}

return 0;

}

//Write a C program to input ‘10’ numbers and find out greatest and smallest number.

#include<stdio.h>

int main(){

int num[10],n,i,min,max;

printf("Enter the value of n");

scanf("%d",&n);

for(i=0;i<n;i++){

printf("Enter numbers");

scanf("%d",&num[i]);

}

max=num[0];

for(i=0;i<n;i++){

if(num[i]>max);

max=num[i];

}

printf("Maximum number is %d",max);

min=num[0];

for(i=0;i<n;i++){

if(min<num[i]);

min=num[i];

}

printf("Minimum number is %d",min);

return 0;

}

//Write a C program to find the average of array elements.

#include<stdio.h>

int main(){

int num[20],n,i,sum=0;

float avg;

printf("Enter the value of n");

scanf("%d",&n);

for(i=0;i<20;i++){

printf("Enter numbers");

scanf("%d",&num[i]);

sum=sum+num[i];

avg=(float)sum/20;

}

printf("Average is %f",avg);

return 0;

}

//Write a C program to sort the values of the array of type int in descending order.

#include <stdio.h>

int main() {

int arr[] = { 2,7,8,4,2,6,4 };

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

// Bubble sort algorithm

for (int i = 0; i < n - 1; i++) {

for (int j = 0; j < n - i - 1; j++) {

if (arr[j] < arr[j + 1]) {

int temp = arr[j];

arr[j] = arr[j + 1];

arr[j + 1] = temp;

}

}

}

printf("The sorted array in descending order is: ");

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

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

}

printf("\n");

return 0;

}