Sheet#4

1. #include <iostream>

using namespace std;

int main(){

int arr[10] , max1=0 , min1=99999 , sum=0 , av , \*ptr=arr , \*p=ptr ;

for(int i=0 ; i<10 ; i++){

cout<<"Enter the integer number #"<<i+1<<": ";

cin>>arr[i];

}

for(int i=0 ; i<10 ; i++){

if(p[i]>max1){max1=p[i];}

if(p[i]<min1){min1=p[i];}

sum+=p[i];

}

av=sum/10;

cout<<"\nMaximum = "<<max1<<"\n\n";

cout<<"Minimum = "<<min1<<"\n\n";

cout<<"Average = "<<av<<"\n\n";

}

1. #include <iostream>

using namespace std;

int main(){

char arr[10] , \*ptr=arr , \*p=ptr ;

int c=0;

for(int i=0 ; i<10 ; i++){

cout<<"Enter the integer number #"<<i+1<<": ";

cin>>arr[i];

}

for(int i=0 ; i<10 ; i++){

if(p[i]=='z'){cout<<"\nThe character 'z' lies in the order number #"<<i+1<<" .\n";break;}

else{c++;}

}

if(c==10){cout<<"\nThe character 'z' doesn't exist.\n";}

}

1. #include<iostream>

using namespace std;

void fn(float arr[],int size){

float \*ptr=arr , \*p=ptr ;

int a=0;

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

if(p[i+1]>p[i]){a++;}

else{

cout<<"\nThis set is not sorted in an ascending order.\n";

return;

}

}

if(a==size-1){ cout<<"\nThis set is sorted in an ascending order.\n";}

}

int main(){

int size;

cout<<"Enter the number of elements: ";

cin>>size;

float arr[size];

float \*ptr=arr , \*p=ptr ;

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

cout<<"Enter the element number "<<i+1<<": ";

cin>>p[i];

}

fn(p,size);

}

1. #include <iostream>

using namespace std;

int main(){

int arr[10] , sumE=0 , sumO=0 , \*ptr=arr , \*p=ptr ;

for(int i=0 ; i<10 ; i++){

cout<<"Enter the integer number #"<<i+1<<": ";

cin>>arr[i];

}

for(int i=0 ; i<10 ; i++){

if(p[i]%2==0){sumE+=p[i];}

else{sumO+=p[i];}

}

cout<<"\nSum of even numbers = "<<sumE<<"\n\n";

cout<<"Sum of odd numbers = "<<sumO<<"\n\n";

}