Sheet#5

1. include<iostream>

using namespace std;

int main(){

int arr[10] , a=0 , b=0 , c=0 , d=0;

cout<<"\t\t\t\tEnter a set of 10 integers to determine it's pattern\n\n";

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

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

cin>>arr[i];

}

for(int i=0 ; i<9 ; i++){

if(arr[i]==arr[i+1]){c++;}

else if(arr[i]<=arr[i+1]){a++;}

else if(arr[i]>=arr[i+1]){b++;}

else{d++;}

}

if(a==9){cout<<"\nThe numbers in the array are increasing.\n";}

else if(b==9){cout<<"\nThe numbers in the array are decreasing.\n";}

else if(c==9){cout<<"\nThe numbers in the array are not changing.\n";}

else{cout<<"\nThe numbers in the array are increasing and then decreasing.\n";}

}

1. [c], [20], [1.200000], [I], [I am a string]
2. 2

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