Follow Coding Standards

Day 11 Assignments

1. Write a function template called count that accepts three arguments: a parameterized type representing a pointer to an array, length of array and a value to be searched in the array. Count the number of occurrences of the value within the array and return the resulting count. Instantiate the function uses types like int and class CStud having only one data member m\_Marks of type double. Include proper constructors, don’t use accessor functions. Overload any operators if necessary. Implement the main() as given below. Also throws the exception if the user tries to insert values at the index in the main() that is out of range.

void main()

{

int a[10],length=0,value,c=0;

CStud sd[10];

double marks;

//----Read the limit and then enter the values in the array in to a.

cout<<"Enter the value to be searched";

cin>>value;

c=count(a,length,value);

cout<<c;

//Read the limit and create that many no: of CStud objects.

cout<<"Enter the marks to be searched";

cin>>marks;

CStud sdm(marks);

c=count(sd,length,sdm);

cout<<c;

}

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