

```

//                                Milos Topic
//                                09/20/99
//                                CIS-112  problem #14
//                                Computer Science II

#include
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class array1
{
    public:
        array1() {}
        void title();
        void fillit(int arr[],int size);
        void printit(int arr[],int size);
        int sum(int arr[],int size);
        void average(int result,int size);
    private:
};
void array1::fillit(int arr[],int size)
{
    ifstream infile("c:\\bc45\\bin\\pmsshop\\cpp\\top.dat", ios::in);
    int i = 0;
    while(i < size)
    {
        infile >> arr[i];
        i=i++;
    }
}
void array1::title()
{
    cout << "\n\n Milos Topic                                09/20/99";
    cout << "\n\n Problem #14";
    cout << "\n\n ***AVERAGE***";
    cout << "\n";
}
int array1::sum(int arr[], int size)
{

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        int i = 0;
        int result = 0;
        while(i < size)
        {
            result = result + arr[i];
            i = i++;
        }
        return result;
    }
void array1::average(int result, int size)
{
    int average = 0;
    average = result / 5;
    cout << "\n\n The average of the test scores stored is: " << average;
}
void array1::printit(int arr[],int size)
{
    int z=0;
    cout << "\n The scores are: ";
    while(z < size)
    {
        cout << arr[z] << " ";
        z=z++;
    }
    getch();
}
void main()
{
    const int size=5;
    int result = 0;
    int arr[5];
    array1 a;
    a.fillit(arr,size);
    a.title();
    a.printit(arr,size);
    result = a.sum(arr,size);
    a.average(result,size);
}

```

}

\*\*\*\*\* OUTPUT \*\*\*\*\*

Milos Topic

09/20/99

Problem #14

\*\*\*AVERAGE\*\*\*

The scores are: 90 23 36 47 53

The average of the test scores stored is: 49