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//                                Milos Topic
//                                Date: 9/9/99
//                                problem # 10

#include
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class array1
{
    public:
        array1() {}
        void sum1(int arr[],int size);
        void sum2(int arr[],int size);
        void sum3(int arr[],int size);
        void fillit(int arr[],int size);
        void printit(int arr[],int size);
    private:
};

void array1::fillit(int arr[],int size)
{
    ifstream infile("c:\\bc45\\bin\\pmsshop\\cpp\\top.dat", ios::in);
    int i;
    i=0;
    cout << "\n Milos Topic\n";
    while(i < size)
    {
        infile >> arr[i];
        i=i++;
    }
}

void array1::sum1(int arr[],int size)
{
    int i=0;
    int sum1=0;
    cout << "\n\n The sum of the first 3 elements is: ";
    while(i < 3)
    {
        sum1 = sum1 + arr[i];
    }
}

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        i=i+1;
    }
    cout << sum1;
}
void array1::sum2(int arr[],int size)
{
    int i=3;
    int sum2=0;
    cout << "\n\n The sum of the elements from 3 to 6 is: ";
    while(i < size)
    {
        sum2 = sum2 + arr[i];
        i=i+1;
    }
    cout << sum2;
}
void array1::sum3(int arr[],int size)
{
    int i=0;
    int sum3=0;
    cout << "\n\n The sum of all elements is: ";
    while(i < size)
    {
        sum3 = sum3 + arr[i];
        i=i+1;
    }
    cout << sum3;
}
void array1::printit(int arr[],int size)
{
    int i=0;
    cout << "\n The numbers are: ";
    while(i < size)
    {
        cout << arr[i] << " ";
        i=i++;
    }
}

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        getch();
    }
void main()
{
    const int size=6;
    int arr[6];
    array1 a;
    a.fillit(arr,size);
    a.printit(arr,size);
    a.sum1(arr,size);
    a.sum2(arr,size);
    a.sum3(arr,size);
}

```

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

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The numbers are: 90 23 -36 47 53 5

The sum of the first 3 elements is: 77

The sum of the elements from 3 to 6 is: 105

The sum of all elements is: 182