

Convert the following C++ code to ASM code

```
#include<iostream>

using namespace std;

int main()
{
    int arr[]={5,2,8,9,12,3};
    int even=0,odd=0;
    int length=sizeof(arr)/sizeof(int);

    for(int i=0; i<length; i++){
        if(arr[i]%2==1){
            odd+=arr[i];
        }
        else{
            even+=arr[i];
        }
    }

    cout<<odd<<" "<<even<<endl;

    /**
    store the value of 'even' in DL and 'odd' in DH
    */
}
```