**DSA Lab1**

**#include<iostream>**

**using namespace std;**

**using std:: cout;**

**using std::cin;**

**using std::endl;**

**int main(){**

**int grade;**

**int aCount=0;**

**int bCount=0;**

**int cCount=0;**

**int dCount=0;**

**int eCount=0;**

**int fCount=0;**

**cout<<"Enter the letter grades."<<endl;**

**cout<<"Enter the EOF character to end input."<<endl;**

**if((grade=cin.get())!=EOF){**

**grade='A';**

**cout<<"a";**

**++aCount;**

**}**

**else if(grade='B'){**

**cout<<"b";**

**++bCount;**

**}**

**else if(grade='C'){**

**cout<<"c";**

**++cCount;**

**}**

**else if(grade='D'){**

**cout<<"d";**

**++dCount;**

**}**

**else {C**

**cout<<"f";**

**++fCount;**

**}**

**cout<<"\n\nTotals for each letter grade are:";**

**cout<<"\nA:"<< aCount;**

**cout<<"\nB:"<<bCount;**

**cout<<"\nC:"<<cCount;**

**cout<<"\nD:"<<dCount;**

**cout<<"\nF:"<<fCount<<endl;**

**return 0;**

**}**