

```
using namespace std;
#include <fstream>
#include <iostream>
```

The header file must be in the program if ifstream and ofstream data types are to be recognized.

```
int main()
{ofstream fout;
  ifstream fin;
```

The file must be explicitly opened in conjunction with a file name and must be closed.

```
int i;
int id;
double gross, hours, rate, net;
```

This section of the program reads in the id and the rate of the (fin) employee from the datafile and reads in the hours from the keyboard (cin).

```
fin.open("datain.txt");
fout.open("dataout.txt");
```

```
for (i=0; i<2; i++)
{
```

```
    fin >> id >> rate;
    cout << "\n\nEnter hours for employee "<< id << " ";
    cin >> hours;
    gross=hours*rate;
    net=gross*.8;
    fout << id<< " "<< gross<< " "<<net<< " "<<hours <<" "<< rate <<endl;
    cout << id<< " "<< gross<< " "<<net<< " "<<hours <<" "<< rate <<endl;
```

The id read in from the datafile is used to prompt the user input from the keyboard.

```
    }
    fin.close();
    fout.close();
```

This section of the program send the results to the datafile and the screen. The fout sends to the data file; cout sends to the screen.

```
//-----
return 0;
}
```