```cpp
#include <iostream>
#include <string>
#include <vector>
#include <iomanip>

using namespace std;

class employee
{
private:
    string name;
    string job;
    double wages;

public:
    employee(string n, string j, double w)
    {
        name = n;
        job = j;
        wages = w;
    }
    employee()
    {
        name = "";
        job = "";
        wages = 0;
    }
    void setName(string n)
    {
        name = n;
    }
    void setJob(string j)
    {
        job = j;
    }
    void setWage(double w)
    {
        wages = w;
    }
    string getName()
    {
        return name;
    }
    string getJob()
    {
        return job;
    }
    double getWages()
    {
```

```
50          return wages;
51      }
52  };
53
54
55
56  int main()
57  {
58      vector<employee>EmployeeList;
59
60      int choice;
61      cout << "Welcome to the Employee database! Have a look at the options
          and choose one: \n";
62      cout << "1. Print list of Employees \n2. Calculate total wages \n3.
          Add new employee \n4. Exit application \n";
63      cin >> choice;
64      while (choice != 4)
65      {
66          if (choice == 1)
67          {
68              for (int i = 0; i < EmployeeList.size(); i++)
69              {
70                  cout << "Name: " << EmployeeList[i].getName() << " Job
                    Title: " << EmployeeList[i].getJob() << " Hourly wages:
                    " << EmployeeList[i].getWages()<<endl;
71              }
72          }
73          else if (choice == 2)
74          {
75              double totalWages = 0;
76              for (int i = 0; i < EmployeeList.size(); i++)
77              {
78                  double hours = 0;
79                  do
80                  {
81                      cout << "Enter the number of hours " << EmployeeList
                      [i].getName() << " worked: \n";
82                      cin >> hours;
83                  } while (hours < 0);
84                  totalWages = totalWages + EmployeeList[i].getWages() *
                    hours;
85              }
86              cout << "The total employee wages are: " << totalWages;
87          }
88          else if (choice == 3)
89          {
90              employee emp;
91              string name;
92              string job;
```

```
 93              double wages;
 94              cout << "Enter the name: ";
 95              cin >> name;
 96              cout << "Enter the job title: ";
 97              cin >> job;
 98              do
 99              {
100                  cout << "Enter the hourly wages: ";
101                  cin >> wages;
102              } while (wages < 0);
103              emp.setName(name);
104              emp.setJob(job);
105              emp.setWage(wages);
106              EmployeeList.push_back(emp);
107          }
108          cout << "\n1. Print list of Employees \n2. Calculate total wages
               \n3. Add new employee \n4. Exit application \n";
109          cin >> choice;
110      }
111      cout << "Thank you for working with the Employee database! \n";
112  }
113
```