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

template <class T>
class Calculator {
  private:
   T num1, num2;

  public:
   Calculator(T n1, T n2) {
      num1 = n1;
      num2 = n2;
   }

   void displayResult() {
      cout << "Numbers: " << num1 << " and " << num2 << "." << endl;
      cout << num1 << " + " << num2 << " = " << add() << endl;
      cout << num1 << " - " << num2 << " = " << subtract() << endl;
      cout << num1 << " * " << num2 << " = " << multiply() << endl;
      cout << num1 << " / " << num2 << " = " << divide() << endl;
   }

   T add() { return num1 + num2; }
   T subtract() { return num1 - num2; }
   T multiply() { return num1 * num2; }
   T divide() { return num1 / num2; }
};

int main() {
            int g,h;
            float c,v;
```

```
            cout<<"Enter 2 int values\n";
            cin>>g>>h;
            cout<<"Enter 2 float values\n";
            cin>>c>>v;
    Calculator<int> intCalc(2, 1);
      Calculator<int> intCalc1(g, h);
    Calculator<float> floatCalc(2.4, 1.2);
Calculator<float> floatCalc1(c, v);
    cout << "Int results:" << endl;
    intCalc.displayResult();
intCalc1.displayResult();
    cout << endl
         << "Float results:" << endl;
    floatCalc.displayResult();
 floatCalc1.displayResult();

    return 0;
}



#include <iostream>
using namespace std;

template <class T1, class T2>
class Emp {
   private:
    T1 empid, sal;
    T2 name;
   public:
    T2 read(T1 e1, T1 s1,T2 n1)
    {
```

```
        empid=e1;
        sal=s1;
        name=n1;
        cout<<"empid "<<empid<<"\n";
        cout<<"Salary "<<sal<<"\n";
        cout<<"name ";
        return name;
                                    }

  T2 displayResult() {
 T1 e,s;
        T2 n;
   cout<<"Enter emp id, salary, name \n";
   cin>>e>>s>>n;
   cout<<read(e,s,n);
         }


};

int main() {
   Emp <int,string> ob;
   ob.displayResult();
    return 0;
}
```