Tasks

1. Write a program to do the basic arithmetic operations.

The base class has methods to add and subtract.

The derived class has methods to multiply and divide.

Together they serve all the 4 operations.

1. Tax Calculation:

In the base class there is method called calculateTax() which calculates VAT at 20%

In the derived class there is a method called calculateTax() which calculates GST at 12%.

Write a program that could access methods from base and derived class.

1. **Write a program to validate the user login with the following combinations:**

|  |  |  |
| --- | --- | --- |
| Options | Parameter1 | Parameter2 |
| A | Email ID | Password |
| B | Membership ID | Pin |
| C | Mobile number | Pin |

Implement Polymorphism.