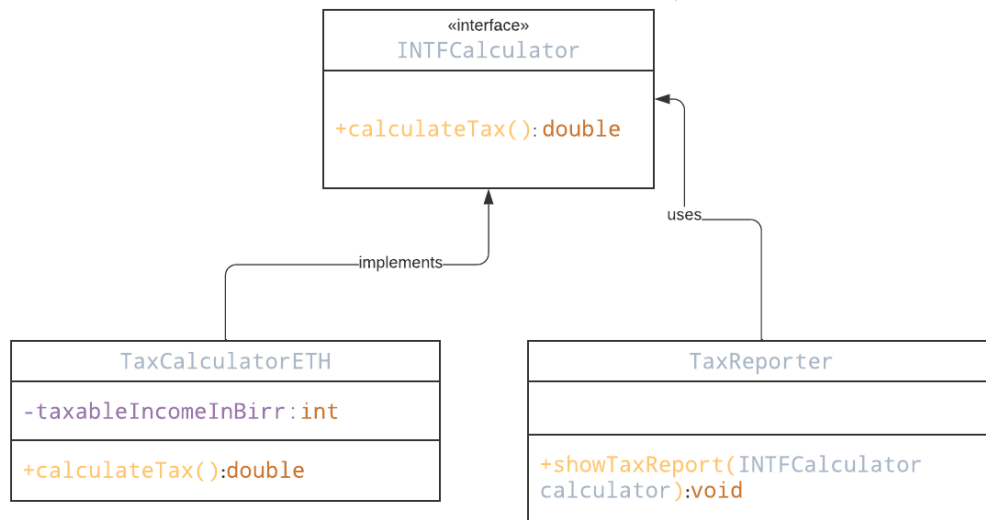


Method Injection

Bekalu Tadesse | March 27, 2023



```
public interface INTFCalculator {  
  
    double calculateTax();  
  
}
```

```
public class MainMethodInjection {  
  
    public static void main(String[] args) {  
  
        TaxCalculatorETH txCalculatorETH = new TaxCalculatorETH(50_000);  
        TaxReporter txReport = new TaxReporter();  
  
        // method injection  
        txReport.showTaxReport(txCalculatorETH);  
  
    }  
}
```

```
public class TaxCalculatorETH implements INTFCalculator{  
  
    private int taxableIncomeInBirr;  
  
    //constructor  
    public TaxCalculatorETH(int taxableIncomeInBirr_){  
        this.taxableIncomeInBirr = taxableIncomeInBirr_;  
    }  
  
    @Override  
    public double calculateTax() {  
        return taxableIncomeInBirr*0.01;  
    }  
}
```

```
public class TaxReporter {  
  
    // method injection  
    public void showTaxReport(INTFCalculator calculator){  
        System.out.println("tax due via method injection :"+calculator.calculateTax());  
    }  
}
```