



ESPE

UNIVERSIDAD DE LAS FUERZAS ARMADAS

INNOVACIÓN PARA LA EXCELENCIA



8. EDUARDO DAVID GARCIA ROMERO

USA Tax Simulator

Price:

Tax: 12.0 %

Total: \$ 30.8

Change Tax

New Tax Percentage: %

```
public class USTax {
    private static USTax instance;
    private float taxPercentage;

    private USTax() {
        taxPercentage = 12;
    }

    public static USTax getInstance() {
        if (instance == null) {
            instance = new USTax();
        }
        return instance;
    }

    public float salesTotal(float initialValue) {
        float totalValue = initialValue;
        totalValue *= taxPercentage/100;
        totalValue += initialValue;
        return totalValue;
    }

    public void updateTaxPercentage(float updatedValue) {
        taxPercentage = updatedValue;
    }

    public float getTaxPercentage() {
        return taxPercentage;
    }
}
```