

```
import java.util.Locale

import kotlin.math.ceil

fun calculateTip(amount: Double, tipPercent: Int, roundUp: Boolean): Double {

    var tip = amount * tipPercent / 100.0

    if (roundUp) {

        tip = ceil(tip)

    }

    return tip}

fun formatAmount(amount: Double): String {

    return String.format(Locale.US, "%.2f", amount)}

fun main() {

    val scenarios = listOf(

        Triple(50.00, 15, false),

        Triple(75.20, 18, true),

        Triple(100.00, 20, false)

    )

    for ((amount, percent, roundUp) in scenarios) {

        val tip = calculateTip(amount, percent, roundUp)

        println(

            "Bill: ${formatAmount(amount)} | " +

            "Tip percent: ${percent}% | " +

            "Round up: $roundUp | " +

            "Tip: ${formatAmount(tip)}"

        )
    }
}
```