You lend \$100,000 at 9% Nominal interest in 2024 to be repaid in 2025

The borrower pays back = 100,000(1.09)=109,000



CPI = 210

2024

CPI = ?

2025

Real interest rate = 9% - 5% = 4%

You earn Interest Income = $100,000 \times 0.09 = $9,000$

If the tax on interest income is 25%

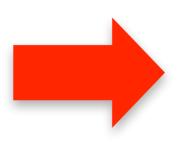
Tax you owe > \$9,000 x 0.25 = 2,250

If the tax on interest income was charged on the Real interest instead

Tax you really owe $$4,000 \times 0.25 = 1,000$

Real Interest Income = $100,000 \times 0.04 = $4,000$ You earn

Even though your Real Income was only \$4,000 the government still makes you pay \$2,250



You pay 56% instead of the 25% you are supposed to pay by law

2,250 ----x 100 = 56% effective tax! 4,000



