export const calculateRisk = (holdings) => {

let risk = 0;

holdings.forEach((holding) => {

// Example: Higher weight in stocks implies higher risk

if (holding.type === 'Stock') {

risk += holding.quantity \* 0.7;

} else if (holding.type === 'Bond') {

risk += holding.quantity \* 0.3;

}

});

return risk > 100 ? 'High Risk' : 'Low Risk';

};

export const calculateDiversification = (holdings) => {

const assetClasses = new Set(holdings.map((holding) => holding.type));

return `You have investments in ${assetClasses.size} asset classes.`;

};

export const calculateGrowth = (holdings) => {

let growth = 0;

holdings.forEach((holding) => {

growth += holding.quantity \* (holding.currentValue - holding.purchasePrice);

});

return growth > 0 ? `Growth: +$${growth}` : `Loss: -$${-growth}`;

};