

Case 1:

Enter initial amount to invest (principal): 500

Enter yearly rate: 28.8854

Enter number of times interest is compounded each year: 4

Enter amount added to the investment account in each period after the initial one: 100

Enter number of periods the investment will accrue over: 14

Total value of the investment: GHc3517.86

Total interest earned over the period: GHc1717.86

Case 2:

Enter initial amount to invest (principal): 500

Enter yearly rate: 28.8854

Enter number of times interest is compounded each year: 4

Enter amount added to the investment account in each period after the initial one: 400

Enter number of periods the investment will accrue over: 4

Total value of the investment: GHc2042.64

Total interest earned over the period: GHc342.64

Case 3:

Enter initial amount to invest (principal): 1000

Enter yearly rate: 10

Enter number of times interest is compounded each year: 4

Enter amount added to the investment account in each period after the initial one: 100

Enter number of periods the investment will accrue over: 14

Total value of the investment: GHc2964.87

Total interest earned over the period: GHc664.87

Case 4:

Enter initial amount to invest (principal): 200

Enter yearly rate: 30

Enter number of times interest is compounded each year: 4

Enter amount added to the investment account in each period after the initial one: 100

Enter number of periods the investment will accrue over: 12

Total value of the investment: GHc2218.73

Total interest earned over the period: GHc918.73