A screenshot of a computer code

Description automatically generated

A screenshot of a computer program

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investment = int(input('Enter the investment amount ' '\r'

'greater than 0 and less than 50000): '))

while investment < 0 or investment > 50000:

print('Your amount is not correct')

investment = int(input('Enter your new investment amount: '))

rate = int(input('Enter the interest rate greater than 0' '\r'

' and less than 15): '))

while rate < 0 or rate > 15:

print('Your rate is not correct')

rate = int(input('Enter your new rate: '))

years = int(input('Enter the investment duration in years' '\r'

' greater than 0: '))

while years < 0:

print('Your years are not big')

years = int(input('Enter your new years: '))

months = years \* 12

monthly\_interest\_rate = rate / 12 / 100

future\_total = 0

for i in range(months):

future\_total += investment

monthly\_interest\_amount = future\_total \* monthly\_interest\_rate

future\_total += monthly\_interest\_amount

if months == 12:

break

for i in range(years):

print(f'Year {int(1 + i)}: {round(int(future\_total),2)}')

print()

print(f'Investment Duration: {int(years)} years')

print(f'Yearly Interest Rate: {float(rate)}%')

print(f'Monthly Investment amount: ${int(investment)}')

print(f'Future value: {round(future\_total, 2)}')

print('Completed by Chuckie Castillo')