1. **Problem statement:**

To calculate the value of a simple interest investment and the value of a compound interest investment. Calculate how many years it takes for compound interest investment to exceed the simple interest investment.

1. **Analysis:**

Inputs: none

Outputs: the years it takes to exceed, the value of both investments at that time.

Additional requirements: none

1. **Design:**
2. declare float variables GeorgeInvestment and PaulInvestment
3. use for loop to calculate the money until Paul 's is bigger than George.(George invests $200 at 10% simple interest and Paul invests $200 at 5% compound interest
4. display the years it takes to exceed and the value of both investments at that time.

**4. Implementation**: see C++ code in file 1405347\_1-2.cpp with comments.

**5. Testing:**

The C program was tested by carrying out a set of experiments and the C program output was verified successfully. For example

