

**CS 213: Object Oriented Programming**

**Spring (Jan-May) 2024**

**Assignment 2**

**Assigned : Friday, January 26, 2024**

**Due : Monday, February 05, 2024 - 11 : 59 pm**

**Treasury Bill Yield Calculator Results**

**Test Cases**

(1) A case in which Nana Araba makes the investment described above for 14 periods

until she graduates in June 2026. When the investment matures in July 2026, what

would be the final value of the investment and how much interest would she have

Made?

(2) A case in which Nana Araba is able to deposit ¢400 (instead of ¢100) every three

months, until her graduation. (She does this by getting a work-study job on campus

for a few hours a week, and also saving some of the stipend she earns from summer

internships).

**Test Case 1: Nana Araba's Investment for 14 Periods**

**Investment Details:**

- Initial Investment: ¢500.00

- Yearly Interest Rate: 28.8845%

- Compounding Periods per Year: 4

- Periodic Deposit: ¢100.00

- Total Number of Periods: 14

**Results:**

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Total value of the investment: ¢3517.78

Total Interest Earned over the Period:¢1717.78

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**Test Case 2: Nana Araba's Increased Deposit of ¢400 every Three Months**

**Investment Details:**

- Initial Investment: ¢500.00

- Yearly Interest Rate: 28.8845%

- Compounding Periods per Year: 4

- Periodic Deposit: ¢400.00

- Total Number of Periods: 14

**Results**:

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- Total Value of the Investment: ¢ 10089.90

- Total Interest Earned over the Period:¢4389.90

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