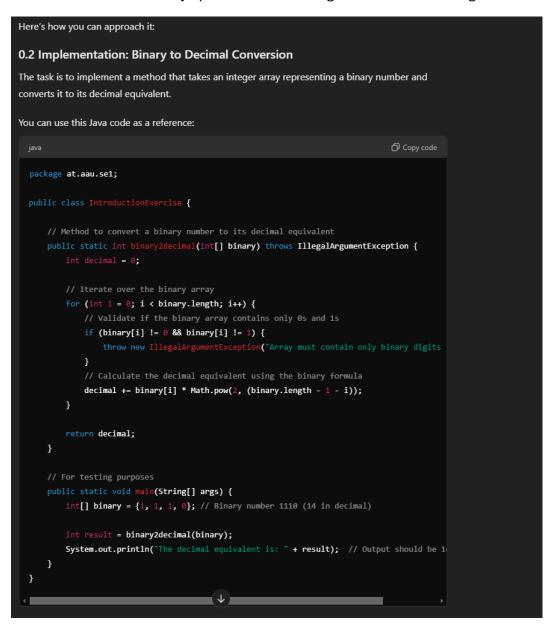
For this assignment I used chat gpt to solve the question of converting binary number to decimal numbers, basically first I sent a screen shot of the question to the LLM and then i asked it to solve my specific case and it gave me the following answer:



## **Explanation:**

- The binary2decimal method takes an integer array representing the binary number.
- It checks whether the input array contains only 0s and 1s (valid binary digits).
- The method uses the formula for binary to decimal conversion:

$$ext{Decimal} = \sum_{i=0}^n ext{Binary}[i] imes 2^{n-i}$$

where n is the length of the binary array.

## **Example:**

For the binary number [1, 1, 1, 0], the decimal conversion is:

$$(1 \times 2^3) + (1 \times 2^2) + (1 \times 2^1) + (0 \times 2^0) = 8 + 4 + 2 + 0 = 14$$

## What to Document in sheet0.2.chat.pdf:

1. LLM Used:

You used ChatGPT (URL: https://chatgpt.com/).

2. Prompts and Responses:

Include screenshots of the chat or document the conversation that helped you with the implementation.

Once you've completed everything, commit the changes to Git, and upload the ZIP file to Moodle.

Let me know if you need help with any part of this task!

The only difference is I split the main function in to a different file just because I'm used to working that way personally basically everything else was kept the same and I had changed which numbers should get converted to decimal just to test whether the output was actually correct.