1. Import the math module

2. A function called main is created :

a. Prompt the user to input the angle (theta) and the length of the adjacent side

b. Check if both inputs are positive integers:

i. If true, convert theta and adjacent to float

ii. Check if theta is less than 45 degrees:

- If true, call the find\_hypotenuse function with theta and adjacent as arguments

iii. If false, print an error message indicating that the angle should be less than 45 degrees

c. If any input is not a positive integer, print an error message indicating that only positive integers are allowed

3. A function called find\_opposite with parameters theta and hypotenuse is created:

a. The length of the opposite side using the sine of theta (theta is converted to radians) is calculated

b. Print the length of the opposite side

4. Define a function called find\_hypotenuse with parameters theta and adjacent:

a. The length of the hypotenuse using the adjacent side and the cosine of theta (converted to radians) is calculated

b. Print the length of the hypotenuse

c. Call the find\_opposite function with theta and the calculated hypotenuse as arguments

5. Call the main function to start the program