Algorithm: Email Verification

1. Initialize EmailIDs array with predefined email addresses.

2. Prompt the user to enter an email ID to search.

3. Validate the entered email ID format using isValidEmail method.

- If the format is invalid, print an error message and exit.

4. Use a loop to iterate through the EmailIDs array.

- Check if the entered email ID matches any email ID in the array (case-insensitive).

- If a match is found, set the found flag to true and break out of the loop.

5. Display the result based on the found flag:

- If found is true, print "Email ID found!"

- If found is false, print "Email ID not found."

6. The isValidEmail method:

- Uses a regular expression to validate the format of the email ID.

- Returns true if the email ID has a valid format, false otherwise.