

BEGIN Program

1. **DECLARE** a variable secret_number and **ASSIGN** it a value (e.g., 15)
2. **DISPLAY** "Guess the secret number!"
3. **DISPLAY** "Enter your guess:"
4. **GET** input from the user and **STORE** it in a variable called user_guess
5. **CONVERT** user_guess to a whole number (an integer)
6. **PERFORM** comparison: is_correct = (user_guess == secret_number)
7. **PERFORM** comparison: is_too_high = (user_guess > secret_number)
8. **PERFORM** comparison: is_too_low = (user_guess < secret_number)
9. **PERFORM** comparison: is_not_correct = (user_guess != secret_number)
10. **PERFORM** logical check: is_close = (user_guess > 10) AND (user_guess < 20)
11. **DISPLAY** "Is your guess correct?", is_correct
12. **DISPLAY** "Is your guess too high?", is_too_high
13. **DISPLAY** "Is your guess too low?", is_too_low
14. **DISPLAY** "Is your guess incorrect?", is_not_correct
15. **DISPLAY** "Is your guess close (between 10 and 20)?", is_close

END Program