

## **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