

NAME-NIKUNJ PATEL ASSIGNMENT-2 ID-9047741

```
#include <iostream>

#include <cstdlib>

#include <ctime>

#include <conio.h>

using namespace std;

int main() {

    srand(static_cast<unsigned int>(time(0))); // Seed for random number generation

    int secretNumber = (rand() % 5 + 1) * 2 + 64; // Generate a random even ASCII character
    from 'B' (66) to 'J' (74)

    char secretChar = static_cast<char>(secretNumber); // Corresponding character

    char guess;

    cout << "Welcome to the Letter Guessing Game!" << endl;

    cout << "I have selected an even ASCII character between 'B' and 'J'." << endl;

    cout << "Try to guess it!" << endl;

    // Display ASCII table for even ASCII characters from 'B' to 'J'

    cout << "\nASCII Table for Even Characters between 'B' and 'J':\n";

    cout << "Character\tASCII Value\n";
```

```

for (int i = 66; i <= 74; i += 2) { // 'B' (66) to 'J' (74)
    cout << static_cast<char>(i) << "\\t\\t" << i << endl;
}

while (true) {
    if (_kbhit()) { // Check if a key has been pressed
        guess = _getch(); // Get the character input

        // Input should be a character between 'B' and 'J'
        if (guess < 'B' || guess > 'J') {
            cout << "Please guess a letter between 'B' and 'J'." << endl;
        } else if (guess == secretChar) {
            cout << "Congratulations! You've guessed the correct letter: " << secretChar << "!"
<< endl;

            break; // Exit the loop
        } else {
            cout << "Wrong guess. Try again!" << endl;
        }
    }
}

cout << "Thanks for playing!" << endl;
return 0;
}

```