17.Create a program to print the sum of the digits of all even numbers between 1 and 100 using a combination of loops. Use continue to skip odd numbers.

public class SumOfEvenDigits {

public static void main(String[] args) {

int sum = 0; // Variable to store the sum of digits

for (int i = 2; i <= 100; i += 2) { // Iterate through even numbers from 2 to 100

int num = i; // Store the current even number in 'num'

if (num % 2 != 0) { // Check if the number is odd (just a safety check)

continue; // Skip odd numbers

}

// Loop to calculate the sum of digits of the current even number

while (num > 0) {

sum += num % 10; // Add the last digit of 'num' to 'sum'

num /= 10; // Remove the last digit from 'num'

}

}

System.out.println("Sum of the digits of all even numbers between 1 and 100: " + sum);

}

}