1)import java.util.Scanner;

public class Palindrome3{

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter a string: ");

String input = scanner.nextLine();

String lowerCaseInput = input.toUpperCase();

String formattedInput = lowerCaseInput.replaceAll("\\s", "");

String reversedInput = new StringBuilder(formattedInput).reverse().toString();

if (formattedInput.equals(reversedInput)) {

System.out.println(lowerCaseInput + " this is a palindrome.");

} else {

System.out.println(lowerCaseInput + " this is not a palindrome.");

}

scanner.close();

}

}

2) import java.util.Scanner;  
public class Palindrome3{  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter a string: ");  
 String input = scanner.nextLine();  
 String lowerCaseInput = input.toUpperCase();  
 String formattedInput = lowerCaseInput.replaceAll("\\s", "");  
 String reversedInput = new StringBuilder(formattedInput).reverse().toString();  
 if (formattedInput.equals(reversedInput)) {  
 System.*out*.println(lowerCaseInput + " this is a palindrome.");  
 } else {  
 System.*out*.println(lowerCaseInput + " this is not a palindrome.");  
 }  
  
 scanner.close();  
 }  
}

3)import java.util.Scanner;  
  
 public class Palindrome2 {  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter a string: ");  
 String input = scanner.nextLine();  
 String formattedInput = input.replaceAll("\\s", "").toUpperCase();  
 String reversedInput = new StringBuilder(formattedInput).reverse().toString();  
 if (formattedInput.equals(reversedInput)) {  
 System.*out*.println(input + " this is a palindrome.");  
 } else {  
 System.*out*.println(input + " this is not a palindrome.");  
 }  
  
 scanner.close();  
 }  
 }

4) import java.util.Scanner;  
public class Palindrome3{  
 public static void main(String[] args) {  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("Enter a string: ");  
 String input = scanner.nextLine();  
 String lowerCaseInput = input.toUpperCase();  
 String formattedInput = lowerCaseInput.replaceAll("\\s", "");  
 String reversedInput = new StringBuilder(formattedInput).reverse().toString();  
 if (formattedInput.equals(reversedInput)) {  
 System.*out*.println(lowerCaseInput + " this is a palindrome.");  
 } else {  
 System.*out*.println(lowerCaseInput + " this is not a palindrome.");  
 }  
  
 scanner.close();  
 }  
}