Q1.

```
public class JavaTest {
	public static void main(String[] args) {

		String[] words = { "Car", "Truck" };

		String str = "I have 2 Car one is Baleno Car and other is Farari Car but Truck is
used for transportation";

		int count, index;

		for (String word : words) {
			count = 0;
			index = 0;

			while (index < str.length()) {
				if (index == str.indexOf(word, index) && str.indexOf(word, index) !=
-1) {
					count++;
					index = index + word.length();
				}
				else {
					index++;
				}
			}

			System.out.println(word + " occurred " + count + " times");
		}

	}
}
```

Q2.

```
import java.util.Scanner;

public class JavaTest {
	public static void main(String[] args) {
		Scanner sc = new Scanner(System.in);

		System.out.println("Enter a sentence : ");
		String str = sc.nextLine();

		System.out.println("Enter a word : ");
		String word = sc.next();

		int count = 0, index = 0;

		while (index < str.length()) {
			if (index == str.indexOf(word, index) && str.indexOf(word, index) != -1) {
				count++;
				index = index + word.length();
			}
			else {
				index++;
			}
		}

		System.out.println(word + " occurred " + count + " times");

	}
}
```

Q3.

```
import java.util.Scanner;

public class JavaTest {
	public static void main(String[] args) {
		Scanner sc = new Scanner(System.in);

		System.out.println("Enter a name : ");
		String name = sc.nextLine();

		name = name.toLowerCase();

		int l = name.length();
		int i = 0;

		while (i < l / 2) {
			if (name.charAt(i) != name.charAt(l - i - 1)) {
				System.out.println("\nNot a palindrome");
				return;
			}

			i++;
		}

		System.out.println("\nPalindrome");
	}
}
```

Q4.

```
import java.util.Scanner;

public class JavaTest {
	public static void main(String[] args) {
		Scanner sc = new Scanner(System.in);

		System.out.println("Enter a sentence : ");
		String str = sc.nextLine();

		int count = 0, i = 0;

		while (i < str.length()) {
			if (str.charAt(i) == ' ') {
				count++;
			}

			i++;
		}

		count++;

		System.out.println("Total words : " + count);
	}
}
```