import java.util.\*;

import java.util.regex.Pattern;

import java.util.Scanner;

class BasicChatbot {

private static Map<String, String> responses = new HashMap<>();

private static List<String> greetings = Arrays.asList("hello", "hi", "hey", "good morning", "good afternoon", "good evening");

private static List<String> farewells = Arrays.asList("bye", "goodbye", "see you", "talk to you later");

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

String userText;

System.out.println("Hello! I'm your BasicChatbot. How can I help you?");

// Populate responses

responses.put("how are you", "I'm doing well, thanks for asking!");

responses.put("what is your name", "My name is BasicChatbot.");

// ...one can add more responses

while (true) {

userText = scanner.nextLine().toLowerCase();

if (isGreeting(userText)) {

System.out.println("Hello there!");

} else if (isFarewell(userText)) {

System.out.println("Goodbye!");

break;

} else {

String response = findResponse(userText);

if (response != null) {

System.out.println(response);

} else {

System.out.println("I didn't quite understand that.");

}

}

}

}

private static boolean isGreeting(String text) {

for (String greeting : greetings) {

if (text.contains(greeting)) {

return true;

}

}

return false;

}

private static boolean isFarewell(String text) {

for (String farewell : farewells) {

if (text.contains(farewell)) {

return true;

}

}

return false;

}

private static String findResponse(String text) {

for (Map.Entry<String, String> entry : responses.entrySet()) {

if (text.contains(entry.getKey())) {

return entry.getValue();

}

}

return null;

}

}