Title : Chatbot

import java.util.**ArrayList**;

import java.util.**HashMap**;

import java.util.**Map**;

import java.util.**Random**;

import java.util.**Scanner**;

public class **chatbot**{

**Map**<**String**, **String**> nouns = new HashMap<**String**, **String**>();

**Map**<**String**, **String**> welcome = new HashMap<**String**, **String**>();

**Map**<**String**, **String**> farewell = new HashMap<**String**, **String**>();

    boolean exit = false;

**ArrayList**<**String**> keywords;

    public chatbot(){

        nouns.put("money", "\tWhere??");

        nouns.put("finance", "\tMany firms provide loan options");

        nouns.put("invest", "\tYes, offcourse. Basically there are many options to invest. Regional Or Investment Banks?");

        nouns.put("shares", "\tWhich company shares?");

        nouns.put("loan", "\tWhich loan? Housing ,Personal,Educational. I recommend to visit SBI website for this");

        nouns.put("investment", "\tWell there are many such as UBS, Barclays, Deutsche Bank, HSBC, Wells Fargo");

        nouns.put("regional", "\tThere are many SBI, IDBI, Kotak Mahindra");

        welcome.put("hii", "\tWelcome! How can I help you??");

        welcome.put("hey", "\tHey, how I can help you??");

        welcome.put("hello", "\tHello,How can I help you??");

        welcome.put("thankyou", "\tWelcome");

        farewell.put("bye", "\tBye");

        farewell.put("bbye", "\tBbye");

    }

        public static void main(**String**[] args) {

**System**.out.println("Hello User You can Check Below features in this chatbot");

**System**.out.println("money ");

**System**.out.println("finance");

**System**.out.println("invest");

**System**.out.println("shares");

**System**.out.println("loan");

**System**.out.println("investment");

**System**.out.println("regional " );

**Scanner** s = new Scanner(**System**.in);

**chatbot** c = new chatbot();

        while(true) {

**String** input = s.nextLine();

**String** output = c.giveans(input);

**System**.out.println(output);

            if (c.exit)

                break;

        }

    }

    public **String** giveans(**String** input) {

**Random** rand = new Random();

        keywords = new ArrayList<**String**>();

**String** tokens[] = input.split("\\s");

        for (int i = 0; i < tokens.length; i++) {

            if (welcome.containsKey(tokens[i].toLowerCase())) {

                return welcome.get(tokens[i]);

            } else if (farewell.containsKey(tokens[i].toLowerCase())) {

                return farewell.get(tokens[i]);

            } else if (nouns.containsKey(tokens[i].toLowerCase())) {

                return nouns.get(tokens[i]);

            }

        }

        return ("I am sorry. I don't get this.");

    }

}

Output:

Hello User You can Check Below features in this chatbot

money

finance

invest

shares

loan

investment

regional

hii

Welcome! How can I help you??

money

Where??

finance

Many firms provide loan options

invest Regional Or Investment Banks?

Yes, offcourse. Basically there are many options to invest.

Regional Or Investment Banks?

shares

Which company shares?

loan sit SBI website for this

Which loan? Housing ,Personal,Educational. I recommend to visit SBI website for this

investment BC, Wells Fargo

Well there are many such as UBS, Barclays, Deutsche Bank, HSBC, Wells Fargo

regional

There are many SBI, IDBI, Kotak Mahindra