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COLLEGE ENQUIRY

CHATBOT

```
package chatbo;
   import java.util.Scanner;
import java.util.HashMap;
import java.util.Map;
import java.util.regex.Pattern;
import java.util.regex.Matcher;
public class Chatbo {
   private Map<Pattern, String[]> responseMap;
   public Chatbo() {
        responseMap = new HashMap<>();
        responseMap.put(Pattern.compile("(hi|hello|hey)"), new String[] {"Hello
there!", "Hi!", "Hey!"});
  responseMap.put(Pattern.compile("( Which courses are available|List of
courses Name the different types of courses)"), new String[] {" We offer a wide
range of courses, including math, science, English, history, and more.!", "Maths
,English ,History and more courses are .!", "There are twenty courses we have.!"});
  responseMap.put(Pattern.compile("what is your name\\?"), new String[] {"My name
is Chatbot.", "I'm called Chatbot."});
  responseMap.put(Pattern.compile("what can you do\\?"), new String[] {"I can
answer questions and have conversations.", "I'm programmed to respond to certain
prompts."});
  responseMap.put(Pattern.compile("(how are you\\?|how are you doing\\?)"), new
String[] {"I'm doing well, thank you.", "I'm functioning normally, thank you for
  responseMap.put(Pattern.compile("(what is cost of your courses?|What is the
amount to pay for courses? How much amount has to be paid? How much is the course
cost?|Can you tell me course fee?|What is the fee amount for course?)"), new
String[] {"Please see our website for more information on pricing.!", "Please see
our website for more information on which courses you can take and their pricing"
});
```

responseMap.put(Pattern.compile("(Where can I get course materials offline?|Can I

get offline course material?|How can I access my courses material?)"), new String[]
{"It depends on the course. Please see our website for more information on
courses."," Some of our courses offer offline access to course materials.Please see
our website for more information." });

responseMap.put(Pattern.compile("(What is the duration of each courses?|Can you tell me the course duration?|How much time does it takes to complete a courses?)"), new String[] {"The duration of our courses depending on the subject and level of the course.!"," Please see our website for more information on the duration of our courses.!"});

responseMap.put(Pattern.compile("(Are their any free courses?|Do you have zero fee courses?|Do you have free courses?)"), new String[] { "Yes, we offer some free courses.!"," Please see our website for more information on which courses are free.!" });

responseMap.put(Pattern.compile("(How can I pay for courses|What is the way to submit course fee?|Where can I pay courses fee?)"), new String[] {"It depends on the course and institution.!"," Please contact our customer service team.!", "You can pay for courses through our website using various payment methods, including credit cards and PayPal.!" });

responseMap.put(Pattern.compile("(Do you have any professional development courses?|Do you have professional courses?)"), new String[] {"Yes, we offer courses for professional development in various fields. Please specify which field you are interested in and we can provide more information.!", "Yes, our courses are accessible on mobile devices through our mobile app or by accessing our website on your mobile device.!", "!"});

```
responseMap.put(Pattern.compile("bye|goodbye"), new String[] {"Goodbye!", "See
you later!", "Farewell!"});
    public void respondTo(String input) {
        boolean matched = false;
        for (Map.Entry<Pattern, String[]> entry : responseMap.entrySet()) {
            Pattern pattern = entry.getKey();
            Matcher matcher = pattern.matcher(input);
            if (matcher.matches()) {
                String[] responses = entry.getValue();
                int randomIndex = (int) (Math.random() * responses.length);
                System.out.println(responses[randomIndex]);
                matched = true;
                break;
            }
        if (!matched) {
            System.out.println("Please see our website for more information.");
        }
    }
```