**My Database**

**Graphical user interface, text, application

Description automatically generated**

**Java Code:**

package jdbcdemo;

import java.sql.\*;

import java.util.LinkedHashMap;

import java.util.Map;

import java.util.Scanner;

import java.util.Set;

public class jdbcpackage

{

public static void main(String[] args)

{

int choice;

do {

Scanner in = new Scanner(System.in);

try

{

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

String word = in.next();

Class.forName("com.mysql.cj.jdbc.Driver");

String driver = "com.mysql.cj.jdbc.Driver";

String url = "jdbc:mysql://localhost:3306/wordoccurrences";

String username = "root";

String password = "Jrivmal1016!";

Connection connection = DriverManager.getConnection(url, username,password);

PreparedStatement ps = connection.prepareStatement("insert into word (words) values(?)");

ps.setString(1,word);

ps.executeUpdate();

System.out.println("Words added in the database:");

Statement st = connection.createStatement();

ResultSet rs = st.executeQuery("select \* from word");

while(rs.next()){

System.out.println(rs.getString(1));

}

connection.close();

}

catch(ClassNotFoundException |SQLException c){

System.out.println(c.getMessage());

}

System.out.println("Do you want to enter another word?(1 for yes,0 for no)");

choice = in.nextInt();

}

while(choice==1);

System.out.println("Word Occurrences in the database:");

Map<String,Integer> frequency = new LinkedHashMap<>();

try{

Class.forName("com.mysql.cj.jdbc.Driver");

String driver = "com.mysql.cj.jdbc.Driver";

String url = "jdbc:mysql://localhost:3306/wordoccurrences";

String username = "root";

String password = "Jrivmal1016!";

Connection connection = DriverManager.getConnection(url, username,password);

Statement st = connection.createStatement();

ResultSet rs = st.executeQuery("Select \* from word");

while(rs.next()){

String s = rs.getString(1);

if(frequency.get(s)==null){

frequency.put(s,1);

}

else{

frequency.put(s,frequency.get(s)+1);

}

}

connection.close();

}

catch(ClassNotFoundException | SQLException s){

System.out.println(s.getMessage());

}

Set<String> key = frequency.keySet();

for(String k:key){

System.out.println("Word: "+k+" Ocurrences: "+frequency.get(k));

}

}

}

**Execution:**

**Graphical user interface, text, application, email

Description automatically generated**