**ConvertStringToAscii.java**

package com.dna.ecryption;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.List;

public class ConvertStringToAscii {

public static String intString=null;

public static String convertToAscii(String in){

try{

List<Integer> ascii = new ArrayList<>();

for (char c : in.toCharArray()) {

ascii.add((int) c);

intString= String.format("%08d", Integer.parseInt(Integer.toBinaryString((int) c)));

System.out.println(intString);

}

}catch(Exception e){

System.out.println(e);

}

return intString;

}

}

**ConvertAsciiToHexadecimal.java**

package com.dna.ecryption;

public class ConvertAsciiToHexadecimal {

public static String convertAsciiHex(String ascii){

StringBuilder hex = new StringBuilder();

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

hex.append(Integer.toHexString(ascii.charAt(i)));

}

return hex.toString();

}

}

**ConvertHexaToBinary.java**

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\*/

package com.dna.ecryption;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.List;

import java.util.stream.Collectors;

public class ConvertHexaToBinary {

public static String convertStringToBinary(String input) {

StringBuilder result = new StringBuilder();

char[] chars = input.toCharArray();

for (char aChar : chars) {

result.append(

String.format("%8s", Integer.toBinaryString(aChar)) // char -> int, auto-cast

.replaceAll(" ", "0") // zero pads

);

}

return result.toString();

}

public static String prettyBinary(String binary, int blockSize, String separator) {

List<String> result = new ArrayList<>();

int index = 0;

while (index < binary.length()) {

result.add(binary.substring(index, Math.min(index + blockSize, binary.length())));

index += blockSize;

}

return result.stream().collect(Collectors.joining(separator));

}

}

**BinaryToDNA.java**

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\*/

package com.dna.ecryption;

/\*\*

\*

\* @author GKV

\*/

public class BinaryToDNA {

public static String convert(String input) {

StringBuilder sb=null;

if (input.length() % 2 == 1) {

return "Please Use Correct Number";

}else{

sb = new StringBuilder();

for (int i = 0; i < input.length(); i += 2) {

if (input.charAt(i) == '0') {

if (input.charAt(i + 1) == '0') {

sb.append("A");

} else {

sb.append("G");

}

} else {

if (input.charAt(i + 1) == '0') {

sb.append("C");

} else {

sb.append("T");

}

}

}

}

return sb.toString();

}

}

**FTPCon.java**

package com.upload;

import java.io.File;

import java.io.FileInputStream;

import org.apache.commons.net.ftp.FTPClient;

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/\*\*

\*

\* @author java2

\*/

public class Ftpcon {

FTPClient client = new FTPClient();

FileInputStream fis = null;

boolean status;

public boolean upload(File file,String fname) {

try {

client.connect("ftp.drivehq.com");

client.login("Kishandrivehq123", "KISHAN@9640");

client.enterLocalPassiveMode();

fis = new FileInputStream(file);

status = client.storeFile(" /files/" + fname, fis);

client.logout();

fis.close();

} catch (Exception e) {

System.out.println(e);

}

if (status) {

System.out.println("success");

return true;

} else {

System.out.println("failed");

return false;

}

}

}

**DBCon.java**

package com.database;

import java.sql.Connection;

import java.sql.DriverManager;

public class DBCon

{

static Connection con=null;

public static Connection getConnection()

{

try

{

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

con = DriverManager.getConnection("jdbc:mysql://localhost:3306/dna\_impl","root","root");

}

catch(Exception e)

{

e.printStackTrace();

}

return con;

}

}

**Queries.java**

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\*/

package com.database;

import java.sql.\*;

/\*\*

\*

\* @author Acer

\*/

public class Queries {

public static ResultSet rs;

public static int i;

public static ResultSet getExecuteQuery(String query){

try{

Connection con=DBCon.getConnection();

Statement st=con.createStatement();

rs=st.executeQuery(query);

}catch(Exception e){

System.out.println(e);

}

return rs;

}

public static int getExecuteUpdate(String query){

try{

Connection con=DBCon.getConnection();

Statement st=con.createStatement();

i=st.executeUpdate(query);

}catch(Exception e){

System.out.println(e);

}

return i;

}

}