

# **Banarsidas Chandiwalla Institute Of Information Technology**



## **Java LAB File**

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**1. Write a Java program to print all odd numbers between 1 to 10.**

**Code:**

```
public class OddNumber {  
  
    public static void main(String[] args) {  
  
        System.out.println("Printing Odd Numbers between 1 and 10");  
  
        for(int i=1; i<=10 ;i++){  
            if(i%2 != 0){  
                System.out.println(i + " ");  
            }  
        }  
    }  
}
```

**Output:**

```
Printing Odd Numbers between 1 and 10  
1  
3  
5  
7  
9  
BUILD SUCCESSFUL (total time: 1 second)
```

2. Write a Java program to find out factorial of a number through recursion.

Code:

```
import java.util.Scanner;

//program to calculate the factorial of a number using recursion
public class Factorial {
    static int fact(int n){
        int ans = 1;
        if (n == 1 ){
            return 1;
        }

        ans = n * fact(n-1);
        return ans;
    }

    public static void main(String[] args) {
        System.out.println("Enter a number for which you want Factorial");
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        System.out.println(fact(n));

    }
}
```

Output:

```
Enter a number for which you want Factorial
6
720
BUILD SUCCESSFUL (total time: 10 seconds)
```

**3. Write a java program to accept the command line arguments and print them.**

**Code:**

```
class CommandLine {  
  
    public static void main(String[] args) {  
  
        for (String s: args) {  
            System.out.println(s);  
        }  
    }  
}
```

#### 4. Write a Java program to print fibonacci series.

##### Code:

```
import java.util.Scanner;

//program to print Fibonacci Series
public class Fibo {
    static void fib(int n){

        int a=0 , b=1;
        System.out.print( a + " " + b + " ");
        for(int i = 1 ; i <= n ; i++){

            int c = b;
            b = a+ b;
            a = c;
            System.out.print(b + " ");

        }
    }
    public static void main(String[] args) {
        System.out.println("Enter a number for the elements in fibonacci series : ");
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        fib(n);
    }
}
```

##### Output:

```
Enter a number for the elements in fibonacci series :
10
0 1 1 2 3 5 8 13 21 34 55 89
BUILD SUCCESSFUL (total time: 6 seconds)
```

5. Write a Java program that creates a class accounts with following details:

Instance variables: ac\_no., name, ac\_name, balance

Methods: withdrawal(), deposit(), display().use constructors to initialize members.

Code:

```
public class Accounts {
    private long ac_no;
    private String name, ac_name;
    private double balance;

    public Accounts(int n, String nm, String ac_nm, double bal) {
        ac_no = n;
        name = nm;
        ac_name = ac_nm;
        balance = bal;
        System.out.println("Account created!");
        this.display();
    }

    public void deposit(double amount) {
        balance += amount;
        System.out.println("Amount deposited :"+ amount+ "\ntotal balance is:" + balance);
    }

    public void withdrawal(double amount) {
        if( balance >= amount)
        {
            balance -= amount;
            System.out.println("Amount withdrawn :"+ amount+ "\nTotal balance is:" + balance);
        }
        else{
            System.err.println("Insuffecient Balance! Withdrawls amount :"+ amount+ "\nTotal balance is:" + balance);
        }
    }

    public void display() {
        System.out.println("Account Number : " + ac_no);
    }
}
```



```

        System.out.println("Account Name : " + ac_name);
        System.out.println("Holder Name : " + name);
        System.out.println("Balance : " + balance);
    }

    public static void main(String[] args) {
        Accounts account1 = new Accounts(335567,"Ram","Savings",10000);
        account1.withdrawal(5000);
        account1.deposit(2000);
        account1.withdrawal(8000);
        account1.display();
    }
}

```

### Output:

```

Account created!
Account Number : 335567
Account Name : Savings
Holder Name : Ram
Balance : 10000.0
Amount withdrawn :5000.0
Total balance is:5000.0
Amount deposited :2000.0
total balance is:7000.0
Insuffecient Balance! Withdrawls amount :8000.0 Total balance is:7000.0
Account Number : 335567
Account Name : Savings
Holder Name : Ram
Balance : 7000.0
BUILD SUCCESSFUL (total time: 1 second)

```

6. Write a Java program to implement constructor overloading.

Code:

```
class Student{
    int rollNo;
    String name ;

    Student(int roll , String n){
        rollNo = roll;
        name = n;
        System.out.println("New Student Added with name : " + n + " Roll No : " + roll);
    }

    Student(int roll){
        rollNo = roll;
        System.out.println("New Student Added with Roll No : " + roll);
    }
    Student(){
        System.out.println("New Student Added");
    }
}

public class ConstructorOverloading {
    public static void main(String[] args) {
        Student s1 = new Student();
        Student s2 = new Student(101);
        Student s3 = new Student(101,"Ram");
    }
}
```

Output:

```
New Student Added
New Student Added with Roll No :101
New Student Added with name : Ram Roll No :101
BUILD SUCCESSFUL (total time: 1 second)
```

7. Write a Java program to count the no. of objects created in a program.

Code:

```
class Student{
    int rollNo;
    String name ;
    static int students = 0;

    Student(int roll , String n){
        rollNo = roll;
        name = n;
        students ++;
    }

    static int getTotalStudents(){
        return students;
    }
}

public class ObjectCount {

    public static void main(String[] args) {
        Student s1 = new Student(101,"Tony");
        Student s2 = new Student(102,"Richard");
        Student s3 = new Student(103,"Peter");

        System.out.println("Total no of objects of Student class = "+ Student.getTotalStudents());

    }

}
```

Output:

```
Total no of objects of Student class = 3
BUILD SUCCESSFUL (total time: 1 second)
```

8. Write a Java program to implement method over ridding & method overloading.

Code:

```
//program to show Overloading and Overriding

class Rectangle{

    float length, breadth;

    public float getArea(){
        return length * breadth;
    }

}

class Square extends Rectangle{

    float side;

    Square (float s){
        side = s;
    }
    @Override
    public float getArea(){
        return side * side ;
    }

    public void display(){ //overloading display
        System.out.println("This is a square object");
    }

    public void display(float s){ //overloading display
        System.out.println("This is a square object with side : "+ s);
    }

}

public class OverLoadingOverriding {
    public static void main(String[] args) {
```

```
Square s1 = new Square(5);  
s1.display();  
s1.display(s1.side);  
System.out.println("Area : " +s1.getArea());  
  
}  
  
}
```

Output:

```
This is a square object  
This is a square object with side : 5.0  
Area : 25.0  
BUILD SUCCESSFUL (total time: 1 second)
```

9. Create a class box having height, width, depth as the instance variables & calculate its volume. Implement constructor overloading in it. Create a subclass named box\_new that has weight as an instance variable. Use super in the box\_new class to initialize members of the base class.

Code:

```
public class Box {
    double height, width, depth;

    Box(double h, double w, double d) {
        height = h;
        width = w;
        depth = d;
        System.out.println("Box Created with \n Height :" + height + "\n Width :" + width + "\n
Depth :"+ depth);
    }

    Box(double side) {
        height = width = depth = side;
        System.out.println("Box Created with Sides :" + side);
    }

    double volume() {
        return height * width * depth;
    }
}

class BoxNew extends Box {
    double weight;

    BoxNew(double h, double w, double d, double weight) {
        super(h, w, d);
        this.weight = weight;
        System.out.println(" Weight:"+ weight);
    }
}

class Main{
    public static void main(String[] args) {
        Box b1 = new Box(3,4,4);
        Box b2 = new Box(5);
    }
}
```

```
System.out.println("Volume Of Box : " + b1.volume());  
BoxNew bn = new BoxNew(2, 3, 3, 7);  
  
}  
}
```

## 10. Write a Java program to implement run time polymorphism.

Code:

```
class Shape {  
    void draw() {  
        System.out.println("Drawing Shape");  
    }  
}  
  
class Circle extends Shape {  
    @Override  
    void draw() {  
        System.out.println("Drawing Circle");  
    }  
}  
  
class Square extends Shape {  
    @Override  
    void draw() {  
        System.out.println("Drawing Square");  
    }  
}  
  
public class RuntimePolymorphism {  
    public static void main(String[] args) {  
        Shape s;  
        s = new Circle();  
        s.draw();  
        s = new Square();  
        s.draw();  
    }  
}
```

Output:

```
Drawing Circle  
Drawing Square  
BUILD SUCCESSFUL (total time: 1 second)
```



**11. Write a Java program to implement interface. Create an interface named shape having area () & perimeter () as its methods. Create three classes circle, rectangle & square that implement this interface.**

Code:

```
interface Shape {  
    double area();  
    double perimeter();  
}  
  
class Circle implements Shape {  
    double radius;  
  
    final double PI = 3.147;  
  
    Circle(double radius) {  
        this.radius = radius;  
    }  
  
    @Override  
    public double area() {  
        return PI * radius * radius;  
    }  
  
    @Override  
    public double perimeter() {  
        return 2 * PI * radius;  
    }  
}  
  
class Rectangle implements Shape {  
    double length, width;  
  
    Rectangle(double length, double width) {  
        this.length = length;  
        this.width = width;  
    }  
}
```

```

@Override
public double area() {
    return length * width;
}

@Override
public double perimeter() {
    return 2 * (length + width);
}
}

class Square implements Shape {
    double side;

    Square(double side) {
        this.side = side;
    }

    @Override
    public double area() {
        return side * side;
    }

    @Override
    public double perimeter() {
        return 4 * side;
    }
}

class ImplementingInterface {
    public static void main(String[] args) {
        Rectangle rect = new Rectangle(4, 6);
        Square square = new Square(5);
        Circle circle = new Circle(4);

        System.out.println("Area of Rectangle" + rect.area());
        System.out.println("Perimeter of Rectangle" + rect.perimeter());

        System.out.println("Area of Square" + square.area());
        System.out.println("Perimeter of Square" + square.perimeter());
    }
}

```

```
        System.out.println("Area of Circle" + circle.area());  
        System.out.println("Perimeter of Circle" + circle.perimeter());  
    }  
}
```

Output:

```
Area of Rectangle24.0  
Perimeter of Rectangle20.0  
Area of Square25.0  
Perimeter of Square20.0  
Area of Circle50.352  
Perimeter of Circle25.176  
BUILD SUCCESSFUL (total time: 0 seconds)
```

## 12. Write a Java program to show multiple inheritance.

Code:

```
//program to use multiple inheritance using interfaces

interface area{
float getArea();
}

interface perimeter{
float getPerimeter();
}

class Square implements area, perimeter{

    float side;

    Square(float s){side = s;}

    @Override
    public float getArea(){
        return side*side;
    }

    @Override
    public float getPerimeter(){
        return side * 4;
    }

}

//not compulsory for the program , using lambda expressions
class Rectangle{

    float length, breadth;

    area a = ()-> length* breadth;
    perimeter p = ()-> (length + breadth) * 2;

}
```

```
public class MultipleInheritance {  
    public static void main(String[] args) {  
        Square s1 = new Square(5);  
        System.out.println("Area : " + s1.getArea());  
        System.out.println("Perimeter : " + s1.getPerimeter());  
    }  
}
```

Output:

```
Area : 25.0  
Perimeter : 20.0  
BUILD SUCCESSFUL (total time: 0 seconds)
```

**13. Create a user defined exception named “nomatchexception” that is fired when the string entered by the user is not “india”.**

Code:

```
import java.util.Scanner;

class NoMatchFoundException extends Exception
{
    @Override
    public String toString(){
        return "NoMatchFoundException [The input is Not India]";
    }
}

public class NewException {
    public static void main(String[] args) {
        String s;
        System.out.println("Enter a String");
        Scanner sc = new Scanner(System.in);
        s= sc.nextLine();

        if(! s.equalsIgnoreCase("India"))
        {
            try {
                throw new NoMatchFoundException();
            } catch (NoMatchFoundException ex) {
                System.err.println(ex);
            }
        }
    }
}
```

Output:

```
Enter a String
Australia
NoMatchFoundException [The input is Not India]
BUILD SUCCESSFUL (total time: 11 seconds)
```

14. Write a Java program to show even & odd numbers by thread.

Code:

```
class EvenThread extends Thread{

    @Override
    public void run(){
        for(int i = 1; i<= 10 ;i++)
        {
            if(i % 2 == 0)
            {
                try {
                    System.out.println("Even Number : " + i);
                    Thread.sleep(5);
                } catch (InterruptedException ex) {
                    System.err.println(ex);
                }
            }
        }
    }
}

class OddThread extends Thread{

    @Override
    public void run(){
        for(int i = 1; i<= 10 ;i++)
        {
            if(i % 2 != 0)
            {
                try {
                    System.out.println("Odd Number : " + i);
                    Thread.sleep(5);
                } catch (InterruptedException ex) {
                    System.err.println(ex);
                }
            }
        }
    }
}
```

```

    }
}
public class EvenOddThread {

    public static void main(String[] args) {
        EvenThread t1= new EvenThread();
        OddThread t2 = new OddThread();
        t1.start();
        t2.start();
    }

}

```

Output:

```

Odd Number : 1
Even Number : 2
Odd Number : 3
Even Number : 4
Even Number : 6
Odd Number : 5
Odd Number : 7
Even Number : 8
Odd Number : 9
Even Number : 10
BUILD SUCCESSFUL (total time: 1 second)

```



## 15. Write a Java program to implement vector

[use: addElement(),elementat().removeelement(),size().]

Code:

```
import java.util.Vector;

public class VectorImplementation {
    public static void main(String[] args) {
        Vector<Integer> v = new Vector<>();

        // Adding elements to the vector
        v.addElement(10);
        v.addElement(20);
        v.addElement(30);
        v.addElement(40);

        System.out.println("Vector elements: " + v);

        // Accessing element at a particular index
        System.out.println("Element at index 2: " + v.elementAt(2));

        // Removing an element from the vector
        v.removeElement(30);
        System.out.println("Vector elements after removal: " + v);

        // Checking the size of the vector
        System.out.println("Size of the vector: " + v.size());
    }
}
```

Output:

```
Vector elements: [10, 20, 30, 40]
Element at index 2: 30
Vector elements after removal: [10, 20, 40]
Size of the vector: 3
BUILD SUCCESSFUL (total time: 0 seconds)
```

**16. Write a Java program to iterate through all elements in an array list, and retrieve an element (at a specified index)**

Code:

```
import java.util.ArrayList;
import java.util.Iterator;

public class ArrayListIteration {
    public static void main(String[] args) {
        ArrayList<String> list = new ArrayList<>();

        // Adding elements to the ArrayList
        list.add("apple");
        list.add("banana");
        list.add("cherry");
        list.add("dates");

        System.out.println("ArrayList elements: " + list);

        // Iterating through the ArrayList using for-each loop
        System.out.println("Iterating through ArrayList using for-each loop:");
        for (String item : list) {
            System.out.println(item);
        }

        // Iterating through the ArrayList using enhanced for loop
        System.out.println("\nIterating through ArrayList using enhanced for loop:");
        for (int i = 0; i < list.size(); i++) {
            System.out.println(list.get(i));
        }

        // Iterating through the ArrayList using Iterator
        System.out.println("\nIterating through ArrayList using Iterator:");
        Iterator<String> iterator = list.iterator();
        while (iterator.hasNext()) {
            System.out.println(iterator.next());
        }

        // accessing element at a given position.
        System.out.println("Item at Index 0 : " + list.get(0));
        System.out.println("Item at Index 3 : " + list.get(3));
    }
}
```

Output:

```
ArrayList elements: [apple, banana, cherry, dates]
Iterating through ArrayList using for-each loop:
apple
banana
cherry
dates

Iterating through ArrayList using enhanced for loop:
apple
banana
cherry
dates

Iterating through ArrayList using Iterator:
apple
banana
cherry
dates
Item at Index 0 : apple
Item at Index 0 : dates
BUILD SUCCESSFUL (total time: 0 seconds)
```

**17. Write a Java program to demonstrate the use of equals(), trim(), length(), substring(), compareTo() of string class**

```
public class StringMethods {
    public static void main(String[] args) {
        String str1 = "Hello World";
        String str2 = " Hello World ";
        String str3 = "Hello";
        String str4 = "WORLD";

        // Demonstrating the use of equals() method
        System.out.println("Using equals() method: ");
        System.out.println(str1.equals(str2));
        System.out.println(str1.equalsIgnoreCase(str4));

        // Demonstrating the use of trim() method
        System.out.println("\nUsing trim() method: ");
        System.out.println(str2.trim());

        // Using length() method
        System.out.println("\nUsing length() method: ");
        System.out.println(str1.length());

        // using substring() method
        System.out.println("\nUsing substring() method: ");
        System.out.println(str1.substring(6));
        System.out.println(str1.substring(0, 5));

        // using compareTo() method
        System.out.println("\nUsing compareTo() method: ");
        System.out.println(str1.compareTo(str3));
        System.out.println(str3.compareTo(str2));
    }
}
```

Output:

```
Using equals() method:
```

```
false
```

```
false
```

```
Using trim() method:
```

```
Hello World
```

```
Using length() method:
```

```
11
```

```
Using substring() method:
```

```
World
```

```
Hello
```

```
Using compareTo() method:
```

```
6
```

```
40
```

```
BUILD SUCCESSFUL (total time: 0 seconds)
```

## 18. Write a Java program to demonstrate the use of equals() and == in Java

Code:

```
public class EqualAndEquals{  
    public static void main(String[] args) {  
        String str1 = "Hello";  
        String str2 = new String("Hello");  
        String str3 = "Hello";  
  
        // using == operator  
        System.out.println("Using == operator: ");  
        System.out.println(str1 == str2);  
        System.out.println(str1 == str3);  
  
        // using equals() method  
        System.out.println("\nUsing equals() method: ");  
        System.out.println(str1.equals(str2));  
        System.out.println(str1.equals(str3));  
    }  
}
```

Output:

```
Using == operator:  
false  
true  
  
Using equals() method:  
true  
true  
BUILD SUCCESSFUL (total time: 0 seconds)
```

**19. Write a Java program to check a word contains the character 'g' in a given string.**

Code:

```
public class WordContainsChar {  
    public static void main(String[] args) {  
        String str = "This is a sample string."  
  
        System.out.println("String : " + str);  
        System.out.println("Contains 'g' : "+str.contains("g"));  
    }  
}
```

Output:

```
String : This is a sample string.  
Contains 'g' : true  
BUILD SUCCESSFUL (total time: 0 seconds)
```

**20. Write a java program to create a folder named “java.docx” in which you have to make a file as abc.java and other 3 text files as, total\_char, total\_lines and total\_words. Read the data from the abc.java file and write the values to the 3 files respectively as per the name . eg: write the total no of words in the abc.java file in total\_words.txt.**

Code:

```
import java.io.File;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;

public class FileHandlingProgram {

    public static void main(String[] args) {

        File dir = new File ("C://java.docx");
        File file = new File(dir , "abc.java");
        File total_chars = new File(dir , "total_char.txt");
        File total_words = new File(dir , "total_words.txt");
        File total_lines = new File(dir , "total_lines.txt");

        try{
            // setting up the directory

            if(! dir.exists()){
                dir.mkdir();
                System.out.println("java.docx Folder created");
            }
            else{
                System.out.println("java.docx Folder Already Exist");
            }

            // setting up the files

            if(! file.exists()){
                file.createNewFile();
                System.out.println("temp.txt created");
            }
            else{
                System.out.println("temp.txt already exist");
            }

            total_words.createNewFile();
```



```

total_chars.createNewFile();
total_lines.createNewFile();

//Setting Up Streams
FileInputStream fileReader = new FileInputStream(file);
FileOutputStream fileWriter = new FileOutputStream(file);
FileOutputStream writeCharCount = new FileOutputStream(total_chars);
FileOutputStream writeLineCount = new FileOutputStream(total_lines);
FileOutputStream writeWordCount = new FileOutputStream(total_words);

String str = "class Test{\n" +
    "\n" +
    "    public static void main(String[] args) {\n" +
    "        System.out.println(\"Bye Mars!\");\n" +
    "    }\n" +
    "}";

//writing in the file abc.java
fileWriter.write(str.getBytes());

//reading from the file
String code = new String( fileReader.readAllBytes());

//getting the lines using '\n' escape character
Integer l = code.split("\n").length;
String lines = l.toString();

//getting the words using '\\s+' escape character s+ for ignoring extra spaces
Integer w = code.split("\\s+").length;
String words = w.toString();

Integer c = 0;
//iterating through each word and counting the characters in them.
//incrementing the character count through each word.
for(String s: code.split("\\s+")){
    c += s.length();
}
String chars = c.toString();

//writing to values of lines, words and characters to the files.
writeCharCount.write(chars.getBytes());
writeLineCount.write(lines.getBytes());

```

```
writeWordCount.write(words.getBytes());
System.out.println("Data Inserted in the files");

//closing the strams
fileReader.close();
fileWriter.close();
writeCharCount.close();
writeLineCount.close();
writeWordCount.close();

}

catch(Exception e){
    System.err.println(e);
}
}
}
```

Output:

```
java.docx Folder created
temp.txt created
Data Inserted in the files
BUILD SUCCESSFUL (total time: 0 seconds)
```

**21. Write a java program to the website details like its ip address,port number ,protocols etc**

Code:

```
import java.net.URL;
import java.net.InetAddress;
public class WebsiteInfo {
    public static void main(String[] args) {
        try {
            URL url = new URL("http://www.google.com/");
            InetAddress in = InetAddress.getByName("www.google.com");

            System.out.println("Port :" + url.getPort());
            System.out.println("Protocol :" + url.getProtocol());
            System.out.println("Host :" + url.getHost());
            System.out.println("Address :" + in.getHostAddress());

        } catch (Exception ex) {
            System.err.println(ex);
        }
    }
}
```

Output:

```
Port :-1
Protocol :http
Host :www.google.com
Address :142.250.193.4
BUILD SUCCESSFUL (total time: 1 second)
```

## 22. write a java program to implement anonymous class

Code:

```
interface calc{
    int sum(int a, int b);
}

public class AnonymousClass {

    public static void main(String[] args) {
        //using anonymous class
        calc c = new calc(){
            @Override
            public int sum(int a,int b){
                System.out.println("Implementing Anonymous Class");
                return a + b;
            }
        };
        System.out.println( c.sum(7, 3));
    }
}
```

Output:

```
Implementing Anonymous Class
10
BUILD SUCCESSFUL (total time: 1 second)
```

## 23. Write a java program to implement lambda expression.

Code:

```
interface greet{
    void msg();
}

interface draw{
    void drawing(String s);
}

public class LambdaExpression {

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

```
//with no args
greet g = () -> {System.out.println("Bye Mars!");};
g.msg();

//withs args
draw d = (shape) -> System.out.println("Drawing " + shape);
d.drawing("circle");

}
```

Output:

```
Bye Mars!
Drawing circle
BUILD SUCCESSFUL (total time: 1 second)
```

## 24. Write a java program to show database connectivity.

Code:

```
import java.sql.Connection;
import java.sql.DriverManager;

public class DatabaseConnection {
    public static Connection connect(){
        Connection conn =null;
        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            conn = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "system", "admin");
        }
        catch(Exception e){
            System.out.println("Exception in DatabaseConnection class connect() method");
        }
        return conn;
    }
    public static void main(String[] args) {

        Connection conn = DatabaseConnection.connect();
        if(conn != null){
            System.out.println("Connection Successful");
        }
        else{
            System.out.println("Connection Failed");
        }
    }
}
```

Output:

```
Connection Successful
BUILD SUCCESSFUL (total time: 1 second)
```

## 25. Write a java program to perform basic sql commands such as create, insert, update, delete.

Code:

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

public class DatabaseConnection {
    public static Connection connect(){
        Connection conn =null;
        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            conn = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "system", "admin");
        }
        catch(Exception e){
            System.out.println("Exception in DatabaseConnection class connect() method");
        }
        return conn;
    }
}

class Main{
    public static void main(String[] args) {

        Connection conn = DatabaseConnection.connect();

        try{
            Statement st = conn.createStatement();

            //creating a table
            String createQuery = "create table users (userId number(5) ,uname varchar2(20))";
            st.executeUpdate(createQuery);
            System.out.println("table Created");

            //inserting value in table using Insert

            String[] insertValues = { "Insert into users values(104,'Ram')",
                                       "Insert into users values(102,'Krishna')",
                                       "Insert into users values(103,'Vishnu')"};
            for(String data : insertValues) {

                if(st.executeUpdate(data) > 0){
                    System.out.println("Inserted");
                }else{
                    System.out.println("Not Inserted");
                }
            }

            //update query
            String updateQuery = "Update users set uname = 'Richard' where userId = 104";
            if(st.executeUpdate(updateQuery) > 0){
                System.out.println("Value updated");
            }
        }
    }
}
```

```

    }else{
        System.out.println("Not updated");
    }
    //delete query
    String deleteQuery = "Delete from users where userId = 104";
    if(st.executeUpdate(deleteQuery) > 0){
        System.out.println("Value Deleted");
    }else{
        System.out.println("Not Deleted");
    }

    //Fetching data from the table using Select
    String query = "Select * from users";
    ResultSet rs = st.executeQuery(query);
    while(rs.next()){
        System.out.print( "Id :"+ rs.getString(1) + " ");
        System.out.print("Name : " + rs.getString(2));
        System.out.println("");
    }
    conn.close();
}

catch(Exception e)
{
    System.err.println(e);
}

}

}

```

Output:

```

table Created
Inserted
Inserted
Inserted
Value updated
Value Deleted
Id :102  Name : Krishna
Id :103  Name : Vishnu
BUILD SUCCESSFUL (total time: 0 seconds)

```