LAB FAT

```
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19BCE2286
Q4)
(a)
Code:
import java.util.*;
class Fat
public static void main(String[] args)
Scanner scanner = new Scanner(System.in);
```

```
System.out.println("Enter a string : ");
String userInput = scanner.nextLine();
char[] charArray = userInput.toCharArray();
for (int i = 0; i < charArray.length; i++)
for (int j = i + 1; j < charArray.length; j++)
{
if (Character.toLowerCase(charArray[j]) <</pre>
Character.toLowerCase(charArray[i]))
{
swapChars(i, j, charArray);
```

```
System.out.println("Sorted string " +
String.valueOf(charArray));
}
private static void swapChars(int i, int j, char[]
charArray)
{
char temp = charArray[i];
charArray[i] = charArray[j];
charArray[j] = temp;
Output:
```

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   1 import java.util.*;
       class Fat
       public s
                    icrosoft Windows [Version 10.0.19041.572]

2020 Microsoft Corporation. All rights reserved
       Scanner
        System.ou
        String us
        char[] ch
       for (int
                    :\Users\abc\Downloads>java Fat
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orted string cdeeehillllmoooorttvww
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        for (int
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       if (Chara
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        swapChars
         System.
      - }
       private
      ₽ {
       charArra
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       charArray[j] = temp;
       }
```

(b)

Code:

```
package com.student.manage;
import java.sql.*;
public class Connect {
      static final String driver="com.mysql.jdbc.Driver";
      static final String url="jdbc:mysql://localhost:3306/emp";
      static final String user="root";
      static final String password="1234";
      public static void main(String args[])
      {
             Connection con=null;
             Statement stmt=null;
             int basicpay=10000;
             int leavedays;
             int years=5;
             int grosssal;
             int netsal;
             try
```

```
Class.forName("com.mysql.jdbc.Driver");
                    System.out.println("Connecting to database...");
                    con=DriverManager.getConnection(url, user, password);
                     stmt = con.createStatement();
                     String sql;
                  sql = "SELECT basicpay,leavedays,years,grosssal,netsal FROM emp";
                  ResultSet rs = stmt.executeQuery(sql);
                  while(rs.next()){
                     netsal=basicpay*(30/100);
                     leavedays=basicpay*(80/100);
                     grosssal=basicpay+years+leavedays+netsal;
                      System.out.print("gross salary= " + grosssal);
                      System.out.print(",net salary="+ netsal);
                   }
                  rs.close();
                  stmt.close();
                  con.close();
             catch(SQLException se)
             {
                    se.printStackTrace();
             catch(Exception e)
                    e.printStackTrace();
             finally{
                   try{
                      if(stmt!=null)
                         stmt.close();
                   }catch(SQLException se2){
                   }
                   try{
                      if(con!=null)
                         con.close();
                   }catch(SQLException se){
                      se.printStackTrace();
                System.out.println("Program finished");
      }
}
```

{

Output:





