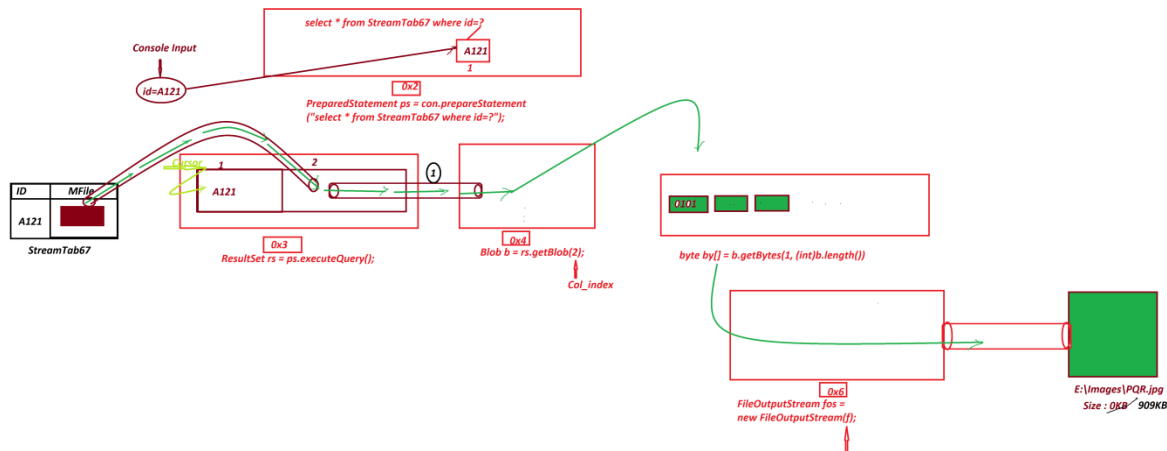


Dt : 6/10/2024(Day-11)

Retrieving Stream(Image) from database product:

Layout:



Program : DBCon7.java

```
package test;
import java.util.*;
import java.io.*;
import java.sql.*;
public class DBCon7 {
    public static void main(String[] args) {
        Scanner s = new Scanner(System.in);
        try(s){
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection
                ("jdbc:oracle:thin:@localhost:1521:xe",
                 "system", "tiger");
            System.out.println("Enter the id to retrieve Image:");
            String id = s.nextLine();
            PreparedStatement ps = con.prepareStatement
                ("select * from StreamTab67 where id=?");
            ps.setString(1, id);
            ResultSet rs = ps.executeQuery();
            if(rs.next()) {
                Blob b = rs.getBlob(2);
                byte by[] = b.getBytes(1, (int)b.length());
                System.out.println("Enter the fPath&fName to store
image(Destination):");
                File f = new File(s.nextLine());
                FileOutputStream fos = new FileOutputStream(f);
                fos.write(by);
            }
        }
    }
}
```

```

        System.out.println("Image retrieved successfully...");
        fos.close();
    }else {
        System.out.println("Invalid id...");
    }
}catch(Exception e) {
    System.out.println(e.toString());
}
}
}

```

o/p:

Enter the id to retrieve Image:

A121

Enter the fPath&fName to store image(Destination):

E:\Images\PQR.jpg

Image retrieved successfully...

=====

faq:

define FileInputStream?

=>'FileInputStream' is a class from java.io package and which is used to connect the file to read Byte Stream data.

syntax:

FileInputStream fis = new FileInputStream("fPath&fName");

faq:

define FileOutputStream?

=>'FileOutputStream' is a class from java.io package and which is used to create a new file with OKB and connect the file to write Byte Stream data.

syntax:

`FileOutputStream fos = new FileOutputStream("fPath&fName");`

faq:

define getBlob() method?

=>getBlob()-method is from 'ResultSet-Interface' and which is used to create implementation object for 'java.sql.Blob' interface,this Blob-Object internally connected to stream-column of "ResultSet"

syntax:

`Blob b = rs.getBlob(2);`

faq:

define getBytes() method?

=>getBytes()-method is from 'java.sql.Blob' interface and which is used to convert stream into Byte-Array.

syntax:

`byte by[] = b.getBytes(1, (int)b.length());`

=====