

OOP (BDA)

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Date _____
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(3)

name of database :- AmazeDb

name of Table :- ProDescript

column names :- proID, proName, quantitysold,
proPrice

(a) import java.sql.*;

import java.util.*;

public class Ques3A {

public static void main (String [] args)

{

try {

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

Connection con = DriverManager.getConnection

("jdbc:mysql://localhost:3306/AmazeDb",
"root", "");

query3A = "Select * FROM ProDescript WHERE
quantitysold < 10 AND proPrice < 3000";

PreparedStatement pstmt = con.prepareStatement (query3A);

Result Set rs = pstmt.executeQuery (query3A);

while (rs.next ())

{

int proID = rs.getInt ("proID");

int qsold = rs.getInt ("quantitysold");

int price = rs.getInt ("proPrice");

String name = rs.getString ("proName");

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```

System.out.println("Product Name : " + name);
System.out.println("Product ID : " + proID);
System.out.println("Quantity Sold : " + qsold);
System.out.println("Product Price : " + price);

```

```

}
}
```

```

catch (Exception e) {
    System.out.print("Exception : " + e);
}
}
```

(B)

```

import java.sql.*;
import java.util.*;

public class Ques3B {
    public static void main (String [] args)
    {
        try {
            Class.forName ("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection ("jdbc:mysql://localhost:3306/AmazeDb", "root", "");
        }
    }
}
```

Ques3B2:

```

String query3B = "INSERT INTO ProdReceipt
                  VALUES (?, ?, ?, ?);";

```

Prepared Statement pstmt = con.prepareStatement (Query3B);

```
System.out.println ("Enter number of Data you
want to enter: ");
int n = sc.nextInt();
```

```
int prodID [] = new int [n+1];
int qsold [] = new int [n+1];
int price [] = new int [n+1];
String name [] = new String [n+1];
```

```
for (int i=0; i<n; i++)
```

```
System.out.println ("Enter name of product: ");
name [i] = sc.next();
```

```
System.out.println ("Enter product ID: ");
prodID [i] = sc.nextInt();
```

```
System.out.println ("Enter price of product: ");
price [i] = sc.nextInt();
```

```
System.out.println ("Enter quantity sold: ");
qsold [i] = sc.nextInt();
```

```
if (price [i] > 4000)
{
```

```
query3B.setInt (1, prodID [i]);
```

```
query3B.setString (2, name [i]);
```

```
query3B.setInt (3, qsold [i]);
```

```
query3B.setInt (4, price [i]);
```

```
}
```

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```

else {
    System.out.println("Entered Price is
less than 4000, data not inserted!");
}

catch (Exception e) {
    SOP("Exception : " + e);
}

```

(2) (A) List Down files which are in directory.

Code :-

```

import java.io.*;
import java.util.*;

public class Ques2A {
    public static void main (String [] args)
    {
        File file = new File ("C:\Ques2");
    }
}

```

String [] fileList = file.list();

for (String name : fileList) {

SOP (name);

{}

{}

{}

2(B)

```
import java.io.*;
import java.util.*;
```

```
public class Ques2B {
    public static void main (String [] args)
    {
        try {
```

```
        fileWriter fw = new fileWriter ("D:\\Ques2\\1.txt");
```

```
        fileWriter fw1 = new fileWriter
            ("D:\\Ques2\\2.txt");
```

```
        File file = new File ("D:\\Ques2\\3.txt");
        fw.createNewFile ();
        file.createNewFile (); // 3.txt created blank.
        fw1.createNewFile ();
```

② fw.write ("This is first file");

fw1.write ("This is second file");

{}

catch (Exception e) {

SOP ("Exception : " + e);

{}

{}

{}

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(Q 2(c)) import java.io.*;

```

public class ques2c {
    public static void main (String [] args) {
        FileWriter fw = new FileWriter ("3.txt");
        BufferedReader br1 = new BufferedReader (new FileReader
("1.txt"));
        BufferedReader br2 = new BufferedReader (new FileReader
("2.txt"));

        String line = br1.readLine ();
        while (line != null)
        {
            fw.write (line);
            line = br1.readLine ();
        }

        line = br2.readLine ();
        while (line != null)
        {
            fw.write (line);
            line = br2.readLine ();
        }

        fw.close ();
        br1.close ();
        br2.close ();
    }
}

```

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Q1

Thread	1 st Thread	2 nd Thread	3 rd Thread
Priority	Normal	Max.	Min.
Sleeptime	1000ms	500ms	600ms

class Thread1 implements Runnable {

```
public void run() {
    Thread.sleep(1000);
}
SOP("Thread One");
SOP("This is 1st Thread" + Thread.currentThread());
get Id();
SOP("Thread status :" + Thread.isAlive());
```

}

class Thread2 implements Runnable {

```
public void run() {
    Thread.sleep(500);
}
SOP("This is 2nd Thread" + Thread.currentThread().getId());
SOP("Thread 2 status :" + Thread.isAlive());
```

y

class Thread3 implements Runnable {

```
public void run() {
    Thread.sleep(600);
}
SOP("This is 3rd Thread" + Thread.currentThread());
SOP("Thread 3 status :" + Thread.isAlive());
```

y

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```
public class Quiz1 {  
    public static void main() {
```

Thread1 T1 = new Thread1();

Thread2 T2 = new Thread2();

Thread3 T3 = new Thread3();

} T2.setPriority(Thread.MAX_PRIORITY);

} T3.setPriority(Thread.MIN_PRIORITY);

} T1.start();

} T2.start();

} T3.start();

3
3

X

X+1

X

X+1