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Retrieving Date value from the database

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=> For this we can use either simple Statement or PreparedStatement.

=> The retrieved Date values are Stored in ResultSet in the form of "java.sql.Date" and we can get this value by using getDate() method.

=> Once we got java.sql.Date object, we can format into our required form by using SimpleDateFormat object.

Sequence

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1. Database

(java.sql.Date)sqldate = rs.getDate(2);

2. Our required String Form

SimpleDateFormat sdf = new SimpleDateFormat("yyyy-mm-dd");

String s = sdf.format(sqldate);

3. String s holds the date.

System.out.println(s);

sir, can you explain this line Integer i=new Integer(1)+ new integer(2);

Integer i1 =new Integer(1);

Integer i2 = new Integer(2);

System.out.println(i1);//1

System.out.println(i2);//2

Integer i3 = i1+i2;

System.out.println(i3);//3

where we need to use \n \t and \r sir

\n => new line

\t =>horizontal tab space

\r => carriage return(taking the cursor back to the same line at the beginning)

Sir you have closed statement object but same way I have trying to close its show me error? Why Sir?

import java.beans.Statement;//wrong import so error

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

if(statement!=null)

statement.close();

It's showing me error.

Q>

What is the difference between: ` ` , ' ' , " "

` ` => backticks(use when we specify column names of database)

' ' => Single quote(use when we work with character)

"" => String(use when we work with String)

Q>

What is .length in array. its not a method, whats this actually?

length => it is a property/fields of Array class.

```
class I@...{  
    int length; //property of Array class which holds the size of an Array.  
}
```

Q>
stmt-1;

```
try{  
    stmt-2;  
    stmt-3; //exception occurred  
    stmt-4;  
}catch(XXXX e){  
    stmt-5;  
}finally{  
    stmt-6;  
}  
stmt-7;
```

stmt-1,2,5,6,7

Q>
Can throws keyword can be applied on methods only? or constructo too?
Answer: yes possible

Q>
Why have you put the constructor of JDBCUtil as private? you said that you don't want to create object of that class? why that? and how that way? coz already you have put static in the two methods: getConnection() and closeConnection()?
Answer: Cretion of an object is a costly event in realtime application,so avoid it.
To avoid object creation make constructor of a class a private.
make the class utility class, by writing the methods as static.

Q>
Why people are talk about java concurrency? I have obseving nowadays
Answer: Becoz the realtime applicatioin depends the usage of "MultiThreading".

Q>
How to run jdbc programs from command prompt?
set path and classpath environmental variables as shown below before running from command prompt.

```
D:\Wrapper classes>echo %path%  
C:\Program Files\Java\jdk1.8.0_202\bin;
```

```
D:\Wrapper classes>echo %classpath%  
.;D:\jars\mysql-connector-j-8.0.31.jar;
```

Eg:
unicode values => fixed

```
eg: A => 65  
    B => 66  
    ;;;  
    ;;;  
  
    a => 97  
    b => 98
```

```
//////  
////
```

What is the difference between object and direct values?

```
int a = 10; // primitive type data which is holding direct value  
memory for a is given as 4 bytes and directly we can touch the memory using  
variable name.
```

```
Integer a = new Integer(10); // primitive data boxed into Object as "Wrapper  
class".  
memory for a is given in heap as it is object and directly touching the value  
is not possible, it should be  
done with the help of methods like toString(), valueOf(), .....
```

