

Xml:

```
<?xml version="1.0"?>
<assignments>
  <assignment id="1">
    <name>advanced java</name>
    <prog_lang>java</prog_lang>
    <status_update>in progress</status_update>
  </assignment>
  <assignment id="2">
    <name>python basics</name>
    <prog_lang>python</prog_lang>
    <status_update>submitted</status_update>
  </assignment>
</assignments>
```

Output Screenshot:

The screenshot displays an IDE with the following components:

- Project Explorer:** Shows the project structure with folders like `src`, `main`, `java`, `resources`, `test`, and `target`. The `assignment.xml` file is highlighted in the `resources` folder.
- Code Editor:** Displays the `AUMain.java` file. The code includes a `runxml()` method that reads data from `assignment.xml` and a `main()` method that calls `runxml()` and `runjdbc()`. The code is as follows:

```
17 //
18 jdbcobj.updateData();
19 System.out.println("reading data from db");
20 jdbcobj.readData();
21 }else{
22     System.out.println("connection problem");
23 }
24
25 public static void runxml(){
26     XMLProcess xmlobj = new XMLProcess();
27     assignments = xmlobj.getAssignments();
28 }
29
30 public static void main(String args[]){
31     runxml();
32     runjdbc();
33 }
34
35 }
```
- Run Console:** Shows the output of the program execution. The output is as follows:

```
Run: AUMain x
"C:\Program Files\Java\jdk1.8.0_231\bin\java.exe" ...
Capitalize names
ADVANCED JAVA JAVA
PYTHON BASICS PYTHON
reading data from db
1 advanced java java started
2 python basics python submitted
Process finished with exit code 0
```

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

assignment x

1 • SELECT * FROM dbkn.assignment;

Result Grid

asgmt_id	name	prog_lang	status_update	date
1	advanced java	java	started	2021-01-18 00:00:00
2	python basics	python	submitted	2021-01-18 00:00:00
NULL	NULL	NULL	NULL	NULL

Table: assignment

Columns:

asgmt_id	int PK
name	varchar(50)
prog_lang	varchar(50)
status_update	varchar(50)
date	timestamp