

# Advance Java

## Prabhakar

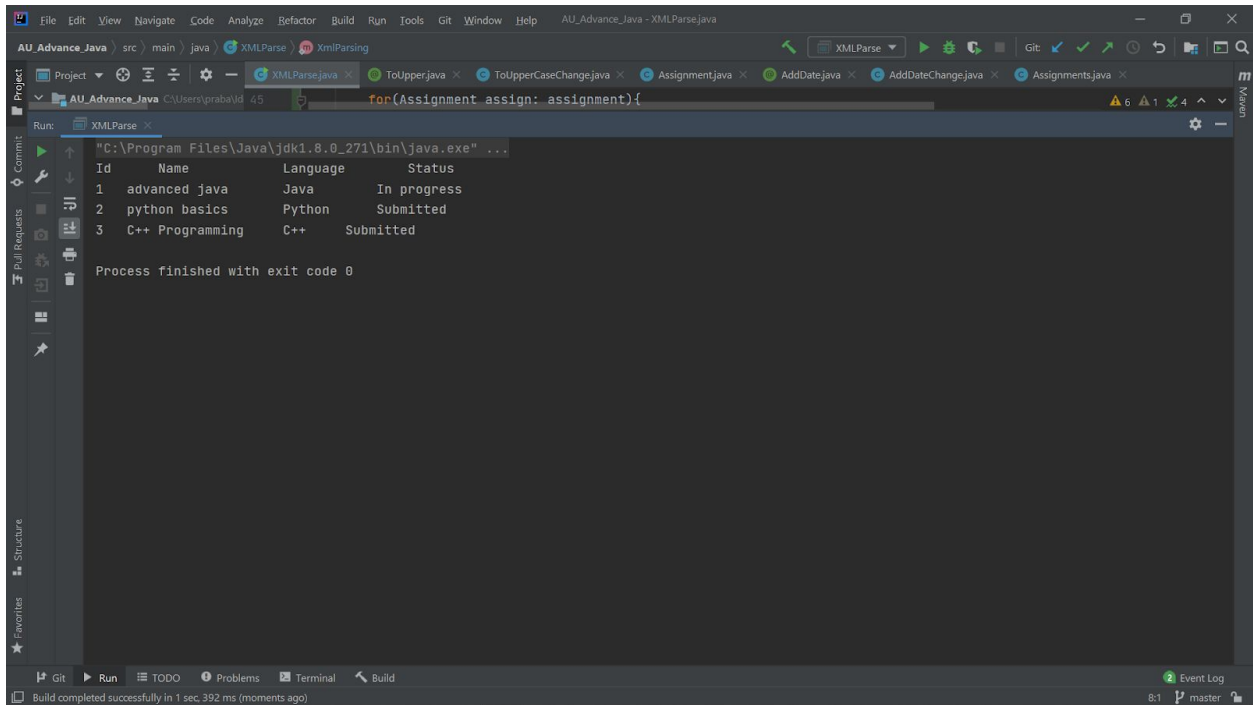
### Tasks:

1. Takes in assignment related information (name, prg\_language, status update) in XML file
2. Parses the xml (Preferably using JAXB)
3. Create a custom annotation to Capitalize names (name, language) in the assignment data and add date whenever you are processing a new record.
4. Store details in MySQL DB using JDBC

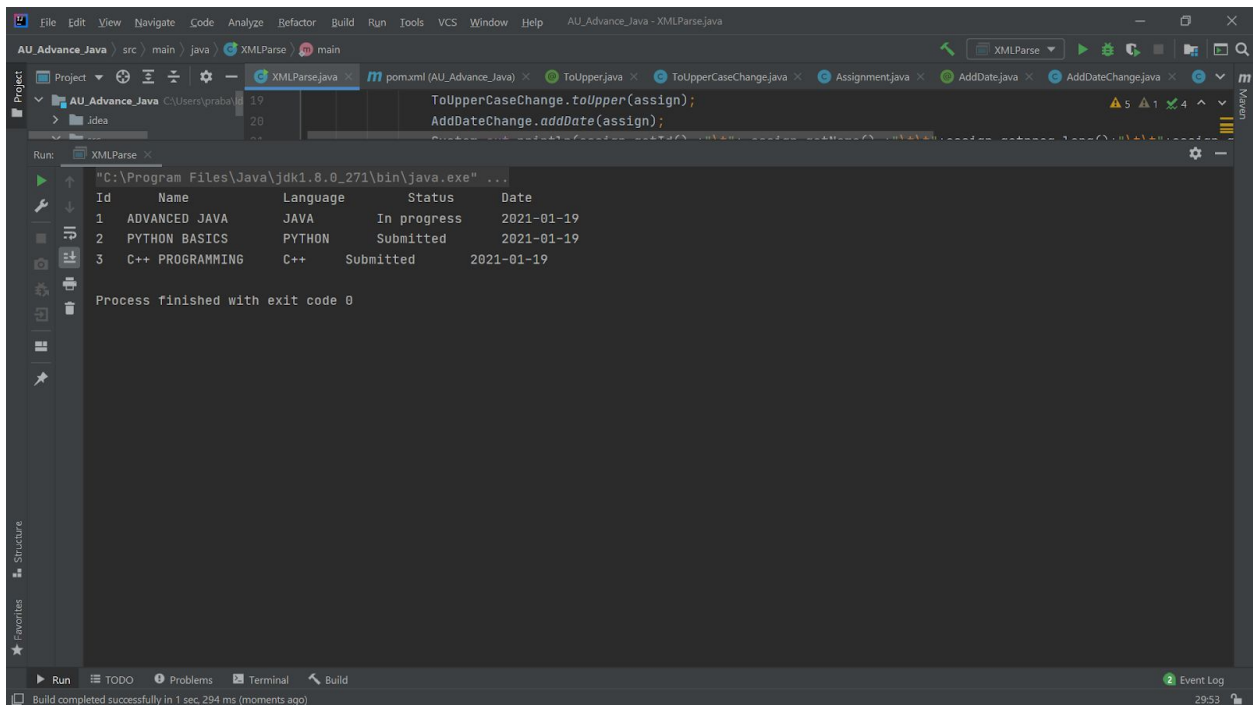
### XML file:

```
<?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>
  <assignment id="3">
    <name>C++ Programming</name>
    <prog_lang>C++</prog_lang>
    <status_update>Submitted</status_update>
  </assignment>
</assignments>
```

## Parsing the XML using JAXB:



## Capitalize name and Adding Assignment Date using Custom Annotation:



## Stored data in mySQL DB using JDBC:

The screenshot displays the MySQL Workbench interface. The left sidebar contains navigation panels for 'MANAGEMENT' (Server Status, Client Connections, Users and Privileges, Status and System Variables, Data Export, Data Import/Restore), 'INSTANCE' (Startup / Shutdown, Server Logs, Options File), and 'PERFORMANCE' (Dashboard, Performance Reports, Performance Schema Setup). The 'Administration' and 'Schemas' tabs are visible at the bottom of the sidebar.

The main editor window shows a SQL query: `select * from assignment;`. Below the query editor, the 'Result Grid' is displayed, showing the following data:

asgmt_id	name	ProgLanguage	Status	AssignmentDate
1	ADVANCED JAVA	JAVA	In progress	2021-01-19
2	PYTHON BASICS	PYTHON	Submitted	2021-01-19
3	C++ PROGRAMMING	C++	Submitted	2021-01-19
NULL	NULL	NULL	NULL	NULL

The bottom status bar indicates 'assignment 1' is selected, with 'Apply', 'Revert', 'Context Help', and 'Snippets' buttons.