

# CSEE5590-0001/490-0003: Big Data Programming

## Lesson Plan # 5

<https://forms.gle/iPhccx1W7eD4kzJE6>

**Lesson Title:** *Sqoop*

**Lesson Description:** *Hadoop and SQL Transfer Tool - Sqoop*

**Lesson Overview:**

*Sqoop is a transfer tool between Hadoop and SQL or Relational Databases*

**In Class Exercise:**

1. Use Sqoop to import and export mySQL Tables to HDFS.
2. Create Hive Tables through HQL Script, Use Sqoop to import and export tables to Relational Databases
3. Perform three queries from databases

See the slides for more details

**ICP Guidelines (In Class)**

1. Once completed, must be presented to TA or Instructor before the completion of the class
2. Submission after deadline is considered as late submission. (Check the deadline and late submission policy in the syllabus)
3. ICP Code with brief explanation in wiki should be pushed to GitHub (submit your screenshots as well. The screenshot should have both the code and the output) Submit GitHub Link through the Feedback Form (<https://forms.gle/iPhccx1W7eD4kzJE6>)

**Submission Guidelines (After class)**

1. Submit your source code and documentation to GitHub and represent the work through wiki page properly with detailed explanation (submit your screenshots as well. The screenshot should have both the code and the output).
2. Comment your code appropriately.
3. Submit a brief demo video showing your assignment with a voice over explaining your work through the Submission Link.
4. Use the following Google link to submit your assignment (ICP Submission Link#: <https://forms.gle/iPhccx1W7eD4kzJE6> )

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