Creating Data-Driven Programs by Snapping Blocks

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Overview

- Computer Science Education research has focused on studying block-based programming environments where programs are created by connecting blocks.
- Most of these environments support conventional (imperative) programming instructions [7, 8].

Creating a Data-Driven Program

Importing a dataset

Specifying the query

Generating a DBList

Creating a program using the DBList

Modifying the query (in this example) or data

Re-executing the program

Sample Programs

Generating Bar Graphs

The Sound of Data

Delivery Schedule

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References

1. Y. N. Silva, A. Nieuwenhuyse, T. G. Schenk, A. Symons. DBSnap++: Creating Data-driven Programs by Snapping Blocks. The 23rd Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE), Larnaca, Cyprus, 2018. Accepted research paper presenting the results of this project.


6. E. Melinova. SQLmap: http://sqlmapextensions.uni-goettingen.de/
