

Ed-Tech Tool for Formative Assessment of Computer Programming Module

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Introduction

- Formative assessment is important
 - for both teachers and students
- provides teachers with quick and accurate feedback of students' knowledge.
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- educational technology tools available
- but...
 - require payment or are integrated with learning management systems.



Google Forms

- is free software
 - that allows the creation of quizzes, questionnaires and surveys.
- can be a formative assessment tool
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- some under- used features of Google forms.
 - Importing from Spreadsheet
 - Branching
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As Formative assessment tool

- A set of focussed computer programming quizzes
 - use for formative self-assessment.
- Positive feedback
 - helped them to revise the topics
- faculty members can identify where the students are struggling.
- to review the concepts that are causing difficulties
 - before moving on to the next topic.



Feedback

Did you find it beneficial? Why/why not?

It was useful to go back over some older topics

Yes, It helped to recall

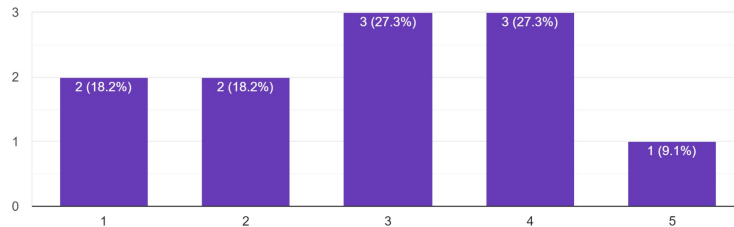
yes it made me realise what i didn't know

didn't understand the last few part. unfamiliar code

doing problems yourself is a better way to remember and learn coding

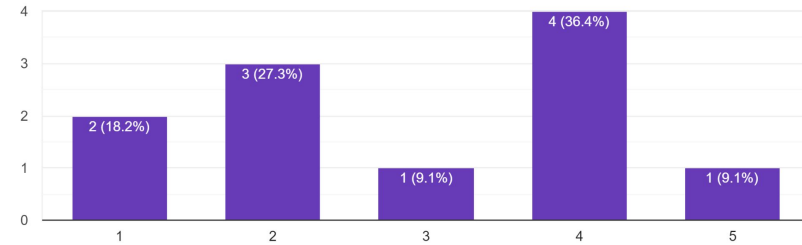
How do you rate your programming ability after you attended to the Programming support?

11 responses



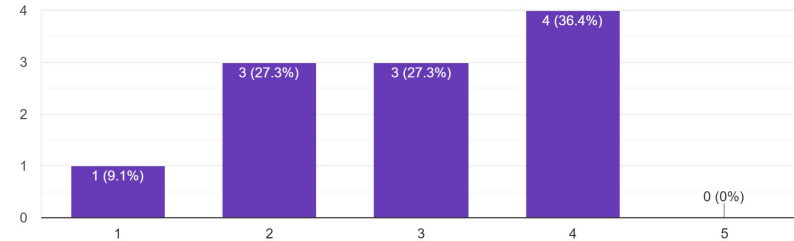
Did you find it helpful to convert an idea/task into a programming language and actual code from the quizzes?

11 responses



Did you enjoy the Programming support quizzes?

11 responses



Import Quiz to Forms from Sheets

1. Create Google Sheet
 - a. question followed by its type and answers
2. Install the Add-on
 - a. In Google Sheets, click on Add-ons at the top and select Get Add-ons.
 - b. Search for Form Builder for Sheets. Click on it.
 - c. On the next screen, click on Install. You will be asked to authorize your Google account.
3. Use the Add-on to Import Questions
4. To use the add-on, click on Add-ons at the top. Go to Form builder for sheets followed by Start.
 - a. select the sheet
 - b. select all questions or a range of questions
 - c. select the pattern type from three options
 - i. questions only, both questions and answers, and quiz.

<https://www.guidingtech.com/import-questions-into-google-forms-google-sheets/>



Branching in Forms

make quizzes more adaptive and personalised

- branching logic into different sections
- add more questions into the sections
 - (click the (+) sign)
- click on a question to add branching logic to
 - Click More (three dots) in the bottom-right corner and then click on “Go to Section Based on Answer.”
- If you don’t want a respondent to skip a question,
 - make it mandatory to answer by toggling the “Required”
- “Submit Form”



Conclusion

- Forms features
 - easy to use
 - add a lot of value to formative self-assessments.
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References

Voinea, Lucian. (2018). FORMATIVE ASSESSMENT AS ASSESSMENT FOR LEARNING DEVELOPMENT. Revista de Pedagogie - Journal of Pedagogy. LXVI. 7-23. 10.26755/RevPed/2018.1/7.



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