

INTRO TO C++

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• ABSTRACT:



Our program's goal is to help other students learn about the introduction of c++. It summarizes the basics of c++ they're going to learn in the first semester. This is not simply a project that we've done to get the marks, but it also aims to become a reference the students can get back to when they're studying. We summed up some topics from the course, and we set few questions to test themselves.

• PROJECT PROBLEM :



When we were in Level 4, we were facing a difficulty in finding a document that could help us test ourselves which includes various questions in it. Where we could also enjoy the presence of our scores, then the user would be able challenge his friends and compete. Therefore, we created this program to help others review and study while having fun since we couldn't do that.

• RESULTS AND DISCUSSION



When we were in Level 4, we were facing a difficulty in finding a document that could help us test ourselves which includes various questions in it. Where we could also enjoy the presence of our scores, then the user would be able challenge his friends and compete. Therefore, we created this program to help others review and study while having fun since we couldn't do that.

• METHODOLOGY



We constantly entered "Microsoft teams" to divide the work among ourselves and work on it. Whoever faced any problem with the part they got someone else would offer to help them. Then, we used the website "GitHub" to upload the files we worked on so that each member could access the file.

- `int take_level()` this function is going to take the level from the user and make sure that it's within our range so it's either level 1,2,3 or 4.
- `char check_upper(char *c)` it will check the user's input and if it's an uppercase it will turn it into lowercase.
- `void changeColor(int desiredColor)` this function will change the color's output to whatever we want.
- `void counters(bool answer)` this function will count the questions the user got right and and wrong and the total of the questions.
- `void updateArray(user_info &user) (namespace)` we used this function to see if the user want to update their name.
- `void updateArray(user_info &user) (namespace)` we used this function to see if the user want to update their level.
- `struct table { int id,score;string name;}` that take info from txt file.
- `int compare_calculatescore (char answerkey2[])` we used it to compare the answer the user enter to the correct answer .
- `void swap (table &first,table &second)` and `void bubble_sort (table list[])` to sort by bubble sort method .



GAME OVER

• CONCLUSIONS AND RECOMMENDATIONS:

Honestly, this project was fun to make, but overwhelming as well. Hopefully in the future, we could add the summary of our current course to the project to make it a summary to all the topics you need to learn to understand the C++ language. Later, we could help other programmers by uploading it to git hub and use it.