**DHA SUFFA UNIVERSITY**

**Department of Computer Science**

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**SE-1001 PROGRAMMING FUNDAMENTALS LAB**

**1B2**

**Semester#01 Final Project Report**

**-:Quiz Game in C Programming Language:-**

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1. **Background:**

For anyone to learn a programming language thoroughly, it is always a good idea to execute a project to check, if he/she is in a position to apply the techniques that is learnt during the training.

The entire process of learning becomes all the more interesting when the project involves something that we love do as a game. The project you will execute, is named as “Simple Quiz Game”. This is going to test your ability on the following aspects of C language.

* If you can write moderately complex programs in C with the use of functions.
* Can you use library functions wherever it applies.
* Can you apply techniques involving array (sorting and searching) structures and the method of reading from file.

Whatever we develop here, is also going to be part of the system that we will develop in C++ Project. And we need to design this in such a manner that we can integrate with our main project directly.

1. **Problem Statement:**

In this project we will develop a module where the user will appear in Practice round test where 6 questions and then start Challenge Round will have 20 questions if user correct 4 answer from 6 question Practice Round otherwise you can't play CHALLENGE ROUND. These questions will picked up all from internet. Each question will have 4 options. User has to choose the correct one. When he submits his answer ,all the questions will be evaluated in the similar manner and marks will be assigned to the correctly chosen answers. At the end it will display the marks that the user has secured.

So, for this project we will using Switch Statement for options, If else condition for if answer is correct then it will print correct otherwise print Wrong answer and tells correct answer, and pointer for read and write the score of quiz game.

And In this project some difficulties faced by our team members, Like:

* View Score (Space between in name)
* Jump in new slide (goto statement)
* (toupper(getch())==Any Alphabet in uppercase and lowercase both (Like : “Y or y” etc…)
* System background color ( our team don’t know color property in cmd prompt)

1. **Project Description:**

* In this project, a number of questions are asked, and the user is awarded a 5 Tola of gold price for each correct answer given.
* In the quiz games, questions are chosen in such a way that they cover all “ C program ” fields of a typical quiz contest.
* The user’s general knowledge is tested with quiz questions regarding: “ C program ”
* There are two rounds in this game, PRACTICE ROUND & CHALLENGE ROUND.
* In practice round you will be asked a total of 6 questions to test your general knowledge. You will be eligible to play the game if you can give atleast 4 right answers otherwise you can't play CHALLENGE ROUND.
* Your game starts with the CHALLENGE ROUND. In this round you will be asked total 20 questions each right answer will be awarded 5 TOLA OF GOLD!

By this way you can win upto 100 TOLA OF GOLD.

* You will be given 4 options and you have to press A, B ,C or D for the right option.
* You will be asked questions continuously if you keep giving the right answers.
* No negative marking for wrong answers.
* Shows the Highest Score or Gold prize won by a particular user.

1. **Scope of Project:**

This project gives a summary to our work for the game. It has a quiz part that will increase a user knowledge. This game is fun to play and anyone can play the game. This game motives user to create a new question. Motive user to learn something. Though this game it about fun. But this game help to increase any student brain. Because quiz question is about general knowledge. Testing identifies gaps in knowledge. Testing produces better organization of knowledege by helping the brain organize material in clusters to allow better retrieval. Quiz game provides a common platform to connect student and teacher online. The registered teacher can create Quiz and student can take quiz and can asses himself/herself.

1. **Result and Conclusion:**

Every thing has two sides (Negative / Positive). After All one thing we create,this game for fun. We request every one to take the game positively.

This online quiz game provides facility to conduct online examination world wide. It saves time as it allows number of students to give the exam at a time and displays the results as the test gets over, so no need to wait for the result. It is automatically generated by the server. Administrator has a privilege to create, modify and delete the test papers and its particular questions. User can register, login and give the test with his specific id, and can see the results as well.