

Quiz Game Documentation

Your Name

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1 Code Structure

1. Header Inclusions:

```
#include<bits/stdc++.h>
using namespace std;
```

This code includes necessary C++ standard libraries for input/output operations.

2. Function Definitions:

```
void calculate(int score) {
    // Function to calculate percentage and provide feedback based on the score
    // ...
}
```

3. Main Function:

```
int main() {
    // ... (code for quiz questions and user input)
    // ... (code for calculating the score and providing feedback)
    return 0;
}
```

2 Program Flow

1. Subject and Difficulty Selection:

- The program prompts the user to select a subject (Maths, Chemistry, or Physics) and a difficulty level (easy or moderate).

2. Quiz Questions:

- Based on the user's subject and difficulty level selection, the program asks five multiple-choice questions.

- For each question, the user enters their answer, which is then compared to the correct answer.

3. Scoring:

- The user's score is incremented for each correct answer.
- The program calculates the percentage based on the user's score.

4. Feedback and Correct Answers:

- The program provides feedback based on the user's score using a switch statement.
- The correct answers for the questions are displayed based on the user's subject and difficulty level selection.

3 Sample Output

*****WELCOME TO QUIZ*****

```
a) Maths
b) Chemistry
c) Physics
select the subject  a
a) easy
b) moderate
enter the level of hardness  a
```

Q.1. What is the sum of 130+125+191?

```
A. 335
B. 456
C. 446
D. 426
enter your answer  C
```

Q.2: If we minus 712 from 1500, how much do we get?

```
A. 788
B. 778
C. 768
D. 758
enter your answer  A
```

Q.3 50 times of 8 is equal to?

```
A. 80
B. 400
C. 800
D. 4000
```

enter your answer B

Q.4: 110 divided by 10 is:

A. 11

B. 10

C. 5

D. None of these

enter your answer A

Q.5 $20 + (90/10)$

A. 50

B. 55

C. 65

D. 60

enter your answer C

your score is 5

you percentage is 100

you did a great job

The correct answers are

C

A

B

A

C