\documentclass{article}

\usepackage[utf8]{inputenc}

\usepackage{enumitem}

\begin{document}

\title{Quiz Documentation}

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\date{\today}

\maketitle

\section{Code Structure}

\textbf{1. Header Inclusions:}

\begin{verbatim}

#include<bits/stdc++.h>

using namespace std;

\end{verbatim}

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

\textbf{2. Function Definitions:}

\begin{verbatim}

void calculate(int score) {

    // Function to calculate percentage and provide feedback based on the score

    // ...

}

\end{verbatim}

\textbf{3. Main Function:}

```
\begin{verbatim}

int main() {

    // ... (code for quiz questions and user input)

    // ... (code for calculating the score and providing feedback)

    return 0;

}

\end{verbatim}
```

\section{Program Flow}

\textbf{1. Subject and Difficulty Selection:}

\begin{itemize}[label=--]

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

\end{itemize}

\textbf{2. Quiz Questions:}

\begin{itemize}[label=--]

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

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

\end{itemize}

\textbf{3. Scoring:}

\begin{itemize}[label=--]

    \item The user's score is incremented for each correct answer.

    \item The program calculates the percentage based on the user's score.

\end{itemize}

\textbf{4. Feedback and Correct Answers:}

\begin{itemize}[label=--]

  \item The program provides feedback based on the user's score using a switch statement.

  \item The correct answers for the questions are displayed based on the user's subject and difficulty level selection.

\end{itemize}

\section{Sample Output}

\begin{verbatim}

*************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

```
\end{verbatim}


\end{document}
```