Quiz system

```c
#include <stdio.h>

#include <stdlib.h>

#include <time.h>


int main() {

    char answer1;

    char answer2;

    char answer3;

    char answer4;

    int score = 0;


    jump1:

    printf("Choose the correct option\n");

    printf("What does the 'printf' function do in C?\n");

    printf("a) Read input from the user\nb) Print output to the console\nc) Perform mathematical calculations\nd) None of the above\n");


    time_t start_time = time(NULL);

    int elapsed_time = 0;


    scanf(" %c", &answer1);


    elapsed_time = time(NULL) - start_time;


    if (elapsed_time > 60) {
```

```c
        printf("Time's up! You took more than 60 seconds. Moving to the next
question.\n");

        goto jump2;

    }


    if (answer1 == 'b') {

        printf("Correct!\n");

        score++;

    } else {

        printf("Wrong answer. The correct option is b) Print output to the
console.\n");

    }


    char choice;

    printf("Please enter 1 for the next question or any other value to submit:
");

    scanf(" %c", &choice);


    if (choice == '1') {

        printf("Next question\n");

        goto jump2;

    } else {

        printf("Submitting quiz\n");

        goto end;

    }


    jump2:
```

```c
printf("What is the correct way to declare an integer variable in C?\n");
printf("a) int x = 5;\nb) integer x = 5;\nc) x = 5;\nd) var x = 5;\n");


start_time = time(NULL);
elapsed_time = 0;


scanf(" %c", &answer2);


elapsed_time = time(NULL) - start_time;


if (elapsed_time > 60) {
    printf("Time's up! You took more than 60 seconds. Moving to the next question.\n");
    goto jump3;
}


if (answer2 == 'a') {
    printf("Correct!\n");
    score++;
} else {
    printf("Wrong answer. The correct option is a) int x = 5;\n");
}


printf("Please enter 1 for the next question or any other value to submit: ");
scanf(" %c", &choice);
```

```c
    if (choice == '1') {

        printf("Next question\n");

        goto jump3;

    } else {

        printf("Submitting quiz\n");

        goto end;

    }


    jump3:

    printf("What is the purpose of the 'return 0;' statement in the main
function of a C program?\n");

    printf("a) Terminate the program\nb) Indicate an error\nc) Return a value
to the operating system\nd) Skip the main function\n");


    start_time = time(NULL);

    elapsed_time = 0;


    scanf(" %c", &answer3);


    elapsed_time = time(NULL) - start_time;


    if (elapsed_time > 60) {

        printf("Time's up! You took more than 60 seconds. Moving to the next
question.\n");

        goto jump4;

    }
```

```c
    if (answer3 == 'a') {

        printf("Correct!\n");

        score++;

    } else {

        printf("Wrong answer. The correct option is a) Terminate the
program.\n");

    }


    printf("Please enter 1 for the next question or any other value to submit:
");

    scanf(" %c", &choice);


    if (choice == '1') {

        printf("Next question\n");

        goto jump4;

    } else {

        printf("Submitting quiz\n");

        goto end;

    }


    jump4:

    printf("Which of the following is not a valid C data type?\n");

    printf("a) int\nb) float\nc) string\nd) char\n");


    start_time = time(NULL);

    elapsed_time = 0;
```

```c
    scanf(" %c", &answer4);

    elapsed_time = time(NULL) - start_time;

    if (elapsed_time > 60) {
        printf("Time's up! You took more than 60 seconds.\n");
        goto end;
    }

    if (answer4 == 'c') {
        printf("Correct!\n");
        score++;
    } else {
        printf("Wrong answer. The correct option is c) string.\n");
    }

    printf("\nCorrect options:\n");
    printf("Q1: b\tQ2: a\tQ3: a\tQ4: c\n");
    printf("Your answers:\n");
    printf("Q1: %c\tQ2: %c\tQ3: %c\tQ4: %c\n", answer1, answer2, answer3, answer4);
    printf("Your score is: %d out of 4\n", score);

    end:
    return 0;
}
```

```
a) Read input from the user
b) Print output to the console
c) Perform mathematical calculations
d) None of the above
a
Wrong answer. The correct option is b) Print output to the console.
Please enter 1 for the next question or any other value to submit: 1
Next question
What is the correct way to declare an integer variable in C?
a) int x = 5;
b) integer x = 5;
c) x = 5;
d) var x = 5;
b
Wrong answer. The correct option is a) int x = 5;
Please enter 1 for the next question or any other value to submit: 1
Next question
What is the purpose of the 'return 0;' statement in the main function of a C program?
a) Terminate the program
b) Indicate an error
c) Return a value to the operating system
d) Skip the main function
c
Wrong answer. The correct option is a) Terminate the program.
Please enter 1 for the next question or any other value to submit: 0
Submitting quiz

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Process exited after 18.82 seconds with return value 0
Press any key to continue . . .
```