

## Online Quiz Game

### Source code:

```
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
#include<stdlib.h>
#include<string.h>
void show_record();
void reset_score();
void help();
void edit_score(float, char[]);
int main() {
    int countr, r, r1, count, i, n;
    float score;
    char choice;
    char playername[20];
mainhome:
    printf("\t\t\t << QUIZ GAME >>\n");
    printf("\n\t\t\t**\n");

    printf("\n\t\t\t WELCOME\n ");
    printf("\n\t\t\t to\n ");
```

```
printf("\n\t\t\t THE QUIZ GAME ");
printf("\n\t\t");
printf("\n\t\t**");
printf("\n\t\t BECOME RICH EARN UPTO 1 MILLION $ ;-) ");
printf("\n\t\t**");
printf("\n\t\t > Press S to start the game");
printf("\n\t\t > Press V to view the highest score ");
printf("\n\t\t > Press R to reset score");
printf("\n\t\t > press H for help ");
printf("\n\t\t > press Q to quit ");
printf("\n\t\t__\n\n");
choice = toupper(getch());
```

```
if (choice == 'V') {
    system("cls");
    show_record();
    system("cls");
    goto mainhome;
} else if (choice == 'H') {
    system("cls");
    help();
    getch();
}
```

```

    system("cls");
    goto mainhome;
} else if (choice == 'R') {
    system("cls");
    reset_score();
    getch();
    goto mainhome;
} else if (choice == 'Q') {
    exit(1);
} else if (choice == 'S') {
    system("cls");
    printf("\n\n\n\n\n\n\n\n\n\n\t\tRegister your
name:");
    gets(playername);

    system("cls");

    printf("\n ***** Welcome %s to the Quiz Game
*****", playername);

    printf("\n\n Here are some tips you might want to know
before playing:");

    printf("\n
*****
*****");

```

```
printf("\n >> There are 2 rounds in this Quiz Game:  
WARMUP ROUND & CHALLENGE ROUND");
```

```
printf("\n >> In warmup round you will be asked a total  
of 3 questions to test your");
```

```
printf("\n   general knowledge. You are eligible to play  
the game if you give at least 2");
```

```
printf("\n   right answers, otherwise you can't proceed  
further to the Challenge Round.");
```

```
printf("\n >> Your game starts with CHALLENGE ROUND.  
In this round you will be asked a");
```

```
printf("\n   total of 10 questions. Each right answer will  
be awarded with 10 points!");
```

```
printf("\n   By this way you can score up to 100 :- ) :- ) :- ) :-  
) :- ) :- ) :- )!!!!!!.....");
```

```
printf("\n >> You will be given 4 options and you have to  
press A, B, C or D for the");
```

```
printf("\n   right option.");
```

```
printf("\n >> You will be asked questions continuously, till  
right answers are given");
```

```
printf("\n >> No negative marking for wrong answers!");
```

```
printf("\n\n\t!!!!!!!!!!!!!! ALL THE BEST !!!!!!!!!!!!!!!");
```

```
printf("\n\n\n Press Y to start the game!\n");
```

```
printf("\n Press any other key to return to the main  
menu!");
```

```
if (toupper(getch()) == 'Y') {  
    system("cls");  
    goto home;  
} else {  
    system("cls");  
    goto mainhome;  
}
```

home:

```
    system("cls");  
    count = 0;  
  
    for (i = 1; i <= 3; i++) {  
        r1 = i;  
        switch (r1) {  
            case 1:  
                printf("\n\nA collection of 8 bits is called?");  
                printf("\n\nA. Bit\t\tB. Word\n\nC. Byte\t\tD.  
Record");  
                if (toupper(getch()) == 'C') {  
                    printf("\n\nCorrect!!!");
```

```

        count++;
        getch();
        system("cls");
        break;
    } else {
        printf("\n\nWrong!!! The correct answer is C.
Byte");

        getch();
        system("cls");
        break;
    }
case 2:
    printf("\n\nWhich of the following is NOT a
primary component of a computer?");
    printf("\n\nA. CPU\t\tB. RAM\n\nC. Hard Disk\tD.
Mouse");
    if (toupper(getch()) == 'D') {
        printf("\n\nCorrect!!!");
        count++;
        getch();
        system("cls");
        break;
    } else {

```

```
printf("\n\nWrong!!! The correct answer is D.  
Mouse");
```

```
    getch();  
    system("cls");  
    break;  
}
```

case 3:

```
    printf("\n\nWhich of the following is NOT a  
programming language?");
```

```
    printf("\n\nA. Python\tB. Java\n\nC. HTML\t\tD.  
C++");
```

```
    if (toupper(getch()) == 'C') {  
        printf("\n\nCorrect!!!");  
        count++;  
        getch();  
        system("cls");  
        break;
```

```
    } else {
```

```
        printf("\n\nWrong!!! The correct answer is C.  
HTML");
```

```
        getch();  
        system("cls");  
        break;
```

```
    }  
}  
}
```

```
if (count >= 2) {  
    goto test;  
} else {  
    system("cls");  
    printf("\n\nSORRY YOU ARE NOT ELIGIBLE TO PLAY  
THIS GAME, BETTER LUCK NEXT TIME");  
    getch();  
    goto mainhome;  
}
```

test:

```
    system("cls");  
    printf("\n\n\t*** CONGRATULATIONS %s you are eligible  
to play the Game ***", playername);  
    printf("\n\n\n\t!Press any key to Start the Game!");  
    if (toupper(getch()) == 'P') {  
        goto game;  
    }
```



game:

```
    countr = 0;
    for (i = 1; i <= 10; i++) {
        system("cls");
        r = i;

        switch (r) {
            case 1:
                printf("\n\nAll are examples of input devices
except:");
                printf("\n\nA. Scanner\tB. Mouse\n\nC.
Printer\tD. Keyboard");
                if (toupper(getch()) == 'C') {
                    printf("\n\nCorrect!!!");
                    countr++;
                    getch();
                    break;
                } else {
                    printf("\n\nWrong!!! The correct answer is C.
Printer");
                    getch();
                    goto score;
```

```
        break;
    }
```

case 2:

```
        printf("\n\nWhat does RAM stand for?");
        printf("\n\nA. Random Access Memory\tB. Read
Access Memory\n\nC. Run Access Memory\tD. None of the
above");
        if (toupper(getch()) == 'A') {
            printf("\n\nCorrect!!!");
            countr++;
            getch();
            break;
        } else {
            printf("\n\nWrong!!! The correct answer is A.
Random Access Memory");
            getch();
            goto score;
            break;
        }
    }
```

case 3:

```
printf("\n\nWhich language is primarily used for  
web development?");
```

```
printf("\n\nA. Python\tB. C\n\nC. JavaScript\tD.  
Java");
```

```
if (toupper(getch()) == 'C') {  
    printf("\n\nCorrect!!!");  
    countr++;  
    getch();  
    break;  
} else {  
    printf("\n\nWrong!!! The correct answer is C.  
JavaScript");  
    getch();  
    goto score;  
    break;  
}
```

case 4:

```
printf("\n\nWhat is the main function of the  
ALU?");
```

```
printf("\n\nA. Store data\tB. Perform arithmetic  
and logical operations\n\nC. Control computer  
operations\tD. Manage memory");
```

```

        if (toupper(getch()) == 'B') {
            printf("\n\nCorrect!!!");
            countr++;
            getch();
            break;
        } else {
            printf("\n\nWrong!!! The correct answer is B.
Perform arithmetic and logical operations");
            getch();
            goto score;
            break;
        }

```

case 5:

```

        printf("\n\nWhich of the following is an output
device?");

        printf("\n\nA. Monitor\tB. Keyboard\n\nC.
Mouse\tD. Scanner");

        if (toupper(getch()) == 'A') {
            printf("\n\nCorrect!!!");
            countr++;
            getch();
            break;
        }

```

```

    } else {
        printf("\n\nWrong!!! The correct answer is A.
Monitor");
        getch();
        goto score;
        break;
    }

```

case 6:

```

    printf("\n\nWhat is the extension for a C
programming file?");
    printf("\n\nA. .txt\t\tB. .c\n\nC. .cpp\t\tD. .java");
    if (toupper(getch()) == 'B') {
        printf("\n\nCorrect!!!");
        countr++;
        getch();
        break;
    } else {
        printf("\n\nWrong!!! The correct answer is B.
.c");
        getch();
        goto score;
        break;
    }

```

```
}
```

case 7:

```
printf("\n\nWhich of the following is a permanent  
storage device?");
```

```
printf("\n\nA. RAM\t\tB. Hard Disk\n\nC.  
Cache\t\tD. ROM");
```

```
if (toupper(getch()) == 'B') {
```

```
    printf("\n\nCorrect!!!");
```

```
    countr++;
```

```
    getch();
```

```
    break;
```

```
} else {
```

```
    printf("\n\nWrong!!! The correct answer is B.  
Hard Disk");
```

```
    getch();
```

```
    goto score;
```

```
    break;
```

```
}
```

case 8:

```
printf("\n\nWhat is the main component of the  
computer's operating system?");
```

```
printf("\n\nA. Kernel\tB. Shell\n\nC. Application  
Software\tD. System Utilities");
```

```
if (toupper(getch()) == 'A') {  
    printf("\n\nCorrect!!!");  
    countr++;  
    getch();  
    break;  
} else {  
    printf("\n\nWrong!!! The correct answer is A.  
Kernel");  
    getch();  
    goto score;  
    break;  
}
```

case 9:

```
printf("\n\nWhich of the following is used to  
connect to the internet?");
```

```
printf("\n\nA. Router\tB. Printer\n\nC.  
Keyboard\tD. Mouse");
```

```
if (toupper(getch()) == 'A') {  
    printf("\n\nCorrect!!!");  
    countr++;
```

```
        getch();
        break;
    } else {
        printf("\n\nWrong!!! The correct answer is A.
Router");
        getch();
        goto score;
        break;
    }
```

case 10:

```
        printf("\n\nWhich of the following is NOT an
operating system?");
        printf("\n\nA. Windows\tB. Linux\n\nC.
MacOS\tD. Oracle");
        if (toupper(getch()) == 'D') {
            printf("\n\nCorrect!!!");
            countr++;
            getch();
            break;
        } else {
            printf("\n\nWrong!!! The correct answer is D.
Oracle");
```



```

        getch();
        goto score;
        break;
    }
}
}

```

score:

```

    system("cls");
    score = countr * 10;
    if (score >= 0 && score < 20) {
        printf("\n\n\t\t*****
CONGRATULATIONS *****");
        printf("\n\t You won $%0.2f", score);
        goto go;
    } else if (score >= 20 && score < 30) {
        printf("\n\n\t\t*****
CONGRATULATIONS *****");
        printf("\n\t You won $%0.2f", score);
        goto go;
    } else if (score >= 30 && score < 40) {
        printf("\n\n\t\t*****
CONGRATULATIONS *****");

```

```

    printf("\n\t You won $%0.2f", score);

    goto go;

} else if (score >= 40 && score < 50) {

    printf("\n\n\t\t*****
CONGRATULATIONS *****");

    printf("\n\t You won $%0.2f", score);

    goto go;

} else if (score >= 50 && score < 60) {

    printf("\n\n\t\t*****
CONGRATULATIONS *****");

    printf("\n\t You won $%0.2f", score);

    goto go;

} else if (score >= 60 && score < 70) {

    printf("\n\n\t\t*****
CONGRATULATIONS *****");

    printf("\n\t You won $%0.2f", score);

    goto go;

} else if (score >= 70 && score < 80) {

    printf("\n\n\t\t*****
CONGRATULATIONS *****");

    printf("\n\t You won $%0.2f", score);

    goto go;

} else if (score >= 80 && score < 90) {

```

```

        printf("\n\n\t\t*****
CONGRATULATIONS *****");

        printf("\n\t You won $%0.2f", score);

        goto go;

    } else if (score >= 90 && score < 100) {

        printf("\n\n\t\t*****
CONGRATULATIONS *****");

        printf("\n\t You won $%0.2f", score);

        goto go;

    } else if (score == 100) {

        printf("\n\n\t\t*****
CONGRATULATIONS *****");

        printf("\n\t\t\t\t\t YOU ARE A GENIUS !!!\n");

        printf("\n\t\t\t\t\t You won $%0.2f", score);

        printf("\n\t\t\t\t\t Thank You!!");

        goto go;

    } else {

        printf("\n\n\t\t*****
CONGRATULATIONS *****");

        printf("\n\t\t\t\t\t YOU WON $0.00\n");

        printf("\n\t\t\t\t\t Thank You!!");

        goto go;

    }
}

```

go:

```
    printf("\n\n\n Press Y if you want to play the next
game");

    printf("\n Press any key if you want to go to the main
menu");

    if (toupper(getch()) == 'Y') {
        goto mainhome;
    } else {
        edit_score(score, playername);
        goto mainhome;
    }
}
}
```

```
void show_record() {
    char name[20];
    float scr;
    FILE *f;
    f = fopen("score.txt", "r");
    fscanf(f, "%s%f", name, &scr);
    printf("\n\n\n\t\t*");
}
```

```
    printf("\n\n\t\t %s has secured the Highest Score %0.2f",
name, scr);

    printf("\n\n\t\t*");

    fclose(f);

    getch();
}
```

```
void reset_score() {
    float sc;
    char nm[20];
    FILE *f;
    f = fopen("score.txt", "w");
    sc = 0;
    strcpy(nm, "Nobody");
    fprintf(f, "%s\n%0.2f", nm, sc);
    fclose(f);
}
```

```
void help() {
    printf("\n\n\n\t\t This is a simple quiz game created using
the C language.");

    printf("\n\n\n\t\t The game contains two rounds: the
Warmup Round and the Challenge Round.");
}
```

```
printf("\n\n\n\t In the Warmup Round, you need to answer  
at least 2 out of 3 questions correctly to proceed to the  
Challenge Round.");
```

```
printf("\n\n\n\t In the Challenge Round, you will be asked  
10 questions. Each correct answer is worth 10 points.");
```

```
printf("\n\n\n\t There is no negative marking for wrong  
answers.");
```

```
printf("\n\n\n\t Your final score will be calculated at the  
end of the game.");
```

```
printf("\n\n\n\t Good luck!");  
}
```

```
void edit_score(float score, char plnm[20]) {
```

```
    float sc;
```

```
    char nm[20];
```

```
    FILE *f;
```

```
    f = fopen("score.txt", "r");
```

```
    fscanf(f, "%s%f", nm, &sc);
```

```
    if (score >= sc) {
```

```
        sc = score;
```

```
        fclose(f);
```

```
        f = fopen("score.txt", "w");
```

```
        fprintf(f, "%s\n%.2f", plnm, sc);
```

```
        fclose(f);  
    }  
}
```

**Output:**

```
<< QUIZ GAME >>  
  
**  
  
        WELCOME  
  
        to  
  
        THE QUIZ GAME  
  
**  
    BECOME RICH EARN UPTO 1 MILLION $ ;-)  
**  
    > Press S to start the game  
    > Press V to view the highest score  
    > Press R to reset score  
    > press H for help  
    > press Q to quit  
--
```

```
Register your name:sreshtitha|
```

\*\*\*\*\* Welcome sreshtitha to the Quiz Game \*\*\*\*\*

Here are some tips you might want to know before playing:

\*\*\*\*\*

>> There are 2 rounds in this Quiz Game: WARMUP ROUND & CHALLENGE ROUND  
>> In warmup round you will be asked a total of 3 questions to test your general knowledge. You are eligible to play the game if you give at least 2 right answers, otherwise you can't proceed further to the Challenge Round.  
>> Your game starts with CHALLENGE ROUND. In this round you will be asked a total of 10 questions. Each right answer will be awarded with 10 points! By this way you can score up to 100 :-) :-):-):-):-):-):-)!!!!.....  
>> 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, till right answers are given  
>> No negative marking for wrong answers!

!!!!!!!!!!!!!! ALL THE BEST !!!!!!!!!!!!!!!

Press Y to start the game!

Press any other key to return to the main menu|

A collection of 8 bits is called?

- A. Bit                      B. Word  
C. Byte                     D. Record

Correct!!!|

Which language is primarily used for web development?

- A. Python                  B. C  
C. JavaScript              D. Java

Wrong!!! The correct answer is C. JavaScript|

What does RAM stand for?

- A. Random Access Memory   B. Read Access Memory  
C. Run Access Memory       D. None of the above



All are examples of input devices except:

- A. Scanner            B. Mouse
- C. Printer            D. Keyboard

Correct!!!|

\*\*\* CONGRATULATIONS sreshtitha you are eligible to play the Game \*\*\*

!Press any key to Start the Game!|

Which of the following is NOT a programming language?

- A. Python            B. Java
- C. HTML            D. C++

Correct!!!|

Which of the following is NOT a primary component of a computer?

- A. CPU            B. RAM
- C. Hard Disk    D. Mouse

Correct!!!

\*\*\*\*\* CONGRATULATIONS \*\*\*\*\*  
You won \$20.00

Press Y if you want to play the next game  
Press any key if you want to go to the main menu

<< QUIZ GAME >>

\*\*

WELCOME  
to  
THE QUIZ GAME

\*\*

BECOME RICH EARN UPTO 1 MILLION \$ ;-)

\*\*

- > Press S to start the game
- > Press V to view the highest score
- > Press R to reset score
- > press H for help
- > press Q to quit

--