

PROJECT REPORT
On
“ Quiz Game Project ”

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(153)

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Introduction

This report is an introduction to the Quiz Game Project in C programming. A quiz is a form of game or mind sport in which players attempt to answer questions correctly about a certain or variety of subjects. Quizzes can be used as a brief assessment in education and similar fields to measure growth in knowledge, abilities, or skills. They can also be televised for entertainment purposes, often in a game show format. I have divided this mini project into many functions, and listed below are some of those which may help you understand the project better.

Methodology

This program is based on the Quiz Game for build a logic.

Mini project “ Quiz Game “ is also a a simple project built in C.

- It displays a best MCQs question to build a logic.
- In quiz game, questions are chosen in such a way that they cover all fields of a typical quiz contest. The user's general knowledge is tested with quiz questions regarding science, technology, movies, sports, general health, geography and many more.
- In this quiz game mini project, you can store the username, view the highest score secured by a user, and even reset the score. Additionally, to make the game look a little more interesting, it is divided into two rounds; user must pass the first round to reach the second one.

Header file

- **STDIO.H**--Standard Input output Library Header
- **STDLIB.H**--General Standard Library Header
- **CTYPE.H**--DECLAES A SET OF FUNCTION TO CLASSIFY AND TRANSFORM INDIVIDUAL CHARACTER
- **CONIC.H**--TO PROVIDE CONSOLE INPUT/OUTPUT USE
- **STRING.H**—THIS FUNCTION USE FOR JOIN A TWO CHARACTERS

Source Code (Program)

//c project on quiz game by mohammad tasdique

```
#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*****");

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



```

else if(choice=='S')
{
    system("cls");
    printf("\n\n\n\n\n\n\n\n\n\n\t\t\tResister your name:");
    gets(playername);

    system("cls");
    printf("\n ***** Welcome %s to C Program Quiz Game
*****",playername);
    printf("\n\n Here are some tips you might wanna 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 atleast 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 upto 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 are 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 a Palindrome
number?");

            printf("\n\nA.42042\t\tB.101010\n\nC.23232\t\tD.01234");
            if (toupper(getch())=='C')

```

```

        {
            printf("\n\nCorrect!!!");
            count++;
            getch();
            system("cls");
            break;
        }

else
{
    printf("\n\nWrong!!! The correct answer is C.23232");
    getch();
    system("cls");
    break;
}

system("cls");

case 3:
    printf("\n\n\nWhich of the following is most oriented toward
scientific programming ?");
    printf("\n\nA.Cobol\t\tB.Fortran\n\nC.c++\t\tD.Basic");

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

else
{
    printf("\n\nWrong!!! The correct answer is B.Fortran");
    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*** CONGRATULATION %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 the example of input devices Except a:");
                printf("\n\nA.Scanner\t\tB.Mouse\n\nC.Printer\t\tD.Keyboard");
                if (toupper(getch())=='C')
                {
                    printf("\n\nCorrect!!!");countr++;getch();

```

```

                                break;
                                getch();
                                }

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

                                case 2:
                                        printf("\n\nWhat kind of file extension .mpg?,");
                                        printf("\n\nA.Movie file \t\tB.Text file\n\nC.Image file\t\tD.Audio
file");
                                        if (toupper(getch())=='A')
                                        {
                                                printf("\n\nCorrect!!!");
                                                countr++;
                                                getch();
                                                break;
                                        }

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

                                case 3:
                                        printf("\n\nA DVD is an example of a/an.. ");
                                        printf("\n\nA.Magnetic disk\t\tB.Hard disk\n\nC.Output
device\t\tD.Optical disk");
                                        if (toupper(getch())=='D')
                                        {
                                                printf("\n\nCorrect!!!");

```

```

        countr++;
        getch();
        break;
    }
else
{
    printf("\n\nWrong!!! The correct answer is D.Optical disk");
    getch();
    goto score;
    break;
}

case 4:
    printf("\n\nWho is he founder of facebook?");
    printf("\n\nA.Mark zuckerburg\tB.Tesla\n\nC.Steve jobs\tD.Bill
gates");
    if (toupper(getch())=='A')
    {
        printf("\n\nCorrect!!!");
        countr++;
        getch();
        break;
    }

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

case 5:
    printf("\n\nWhich of he following is a web browser?");
    printf("\n\nA.Dreamweaver\tB.Netscape
navigator\n\nC.Maya\tD.Flash");
    if(toupper(getch())=='B')
    {
        printf("\n\nCorrect!!!");
        countr++;
        getch();
        break;}

```

```

        else
        {
            printf("\n\nWrong!!! The correct answer is B.Netscape
navigator");

            getch();
            goto score;
            break;
        }

        case 6:
            printf("\n\nWhat kind of file extension .bak?,");
            printf("\n\nA.Backup file \t\tB.Text file\n\nC.Image
file\t\tD.Audio file");
            if (toupper(getch())=='A')
            {
                printf("\n\nCorrect!!!");
                countr++;
                getch();
                break;}

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

            case 7:
                printf("\n\nwhich of he following is a read only memory storage
device ");

                printf("\n\nA.Flash drive\t\tB.Hard disk\n\nC.Floppy
disk\t\tD.CDROM");
                if(toupper(getch())=='D')
                {
                    printf("\n\nCorrect!!!");
                    countr++;
                    getch();
                    break;}

                else
                {
                    printf("\n\nWrong!!! The correct answer is D.CDROM");
                    getch();
                    goto score;

```

```

        break;
    }
    case 8:
        printf("\n\nThe ____ shows all the web sites any pages that you
have visited one of recent time ");
        printf("\n\nA.Hisory list\t\tB.Status bar \n\nC.task
bar\t\tD.record");
        if(toupper(getch())=='A')
        {
            printf("\n\nCorrect!!!");
            countr++;
            getch();
            break;}
        else
        {
            printf("\n\nWrong!!! The correct answer is A.Hisory list");
            getch();
            goto score;
            break;
        }
    case 9:
        printf("\n\nA 32 bit word computer can access ____ bytes at a
time ");
        printf("\n\nA.32\t\tB.16\n\nC.8\t\tD.4");
        if(toupper(getch())=='C')
        {
            printf("\n\nCorrect!!!");
            countr++;
            getch();
            break;}
        else
        {
            printf("\n\nWrong!!! The correct answer is C.8");
            getch();
            goto score;
            break;
        }
    case 10:
        printf("\n\nWho is the founder of pixar animation?");
        printf("\n\nA.Mark zuckerburg\tB.Tesla\n\nC.Steve jobs\t\tD.Bill
gates");
        if(toupper(getch())=='C')
        {

```

```

        printf("\n\nCorrect!!!");
        countr++;
        getch();
        break;

    }

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

}

score:
system("cls");
score=(float)countr*100000;
if(score>0.00 && score<1000000)
{
    printf("\n\n\t\t***** CONGRATULATION *****");
    printf("\n\t You won $%.2f",score);
    goto go;
}

else if(score==1000000.00)
{
    printf("\n\n\n \t\t***** CONGRATULATION *****");
    printf("\n\t\t\t\t YOU ARE A MILLIONAIRE!!!!!!!!!!");
    printf("\n\t\t\t\t You won $%.2f",score);
    printf("\n\t\t\t\t Thank You !!");
}
else
{
    printf("\n\n\t***** SORRY YOU DIDN'T WIN ANY CASH *****");
    printf("\n\t\t Thanks for your participation");
    printf("\n\t\t TRY AGAIN");
    goto go;
}

```

```

        go:
        puts("\n\n Press Y if you want to play next game");
        puts(" Press any key if you want to go main menu");
        if (toupper(getchar())=='Y')
        {
            goto home;
        }
        else
        {
            edit_score(score,playername);
            goto mainhome;
        }
    }
}

void show_record()
{
    char name[20];
    float scr=0;
    FILE *f;
    f=fopen("score.txt","r");
    fscanf(f,"%s%f",&name,&scr);

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

    printf("\n\n\t\t*****");
    fclose(f);
    getch();
}

void reset_score()
{
    system("cls");
    float sc;
    char nm[20];
    FILE *f;
    f=fopen("score.txt","r+");
    fscanf(f,"%s%f",&nm,&sc);
    sc=0;
    fprintf(f,"%s,%.2f",nm,sc);
    fclose(f);
}

```

```

}

void help()
{
    system("cls");
    printf("\n\n                                HELP");
    printf("\n -----
-----");
    printf("\n ..... C program Quiz Game.....");
    printf("\n >> There are two rounds in the game, WARMUP ROUND & CHALLENGE
ROUND");
    printf("\n >> In warmup round you will be asked a total of 3 questions to
test your general");
    printf("\n    knowledge. You will be eligible to play the game if you can
give atleast 2");
    printf("\n    right answers otherwise you can't play the Game.....");
    printf("\n >> Your game starts with the CHALLENGE ROUND. In this round you
will be asked");
    printf("\n    total 10 questions each right answer will be awarded
$100,000.");
    printf("\n    By this way you can win upto ONE MILLION cash prize in
USD.....");
    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 if you keep giving the
right answers.");
    printf("\n >> No negative marking for wrong answers");

    printf("\n\n\t*****BEST OF
LUCK*****");
    printf("\n\n\t****C PROGRAM QUIZ GAME is developed byDEEPAK SHARMA AP
GOYAL SHIMLA UNIVERSITY*****");}

void edit_score(float score, char playernm[20])
{
    system("cls");
    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",playernm,sc); //print in player name  
        fclose(f);  
        }  
    }
```

Result (Output)

```
F:\C & C++\Tasique dev C++\mini prioject 1.exe
<< 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
```

```
F:\C & C++\Tasique dev C++\mini prioject 1.exe

***** Welcome  Mohammad Tasdique Mehdi to C Program Quiz Game *****

Here are some tips you might wanna 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 atleast 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 upto 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!
```

 F:\C & C++\Tasique dev C++\mini prioject 1.exe

A collecion of 8 bits are called?


A.bit

B.word

C.byte

D.record

Correct!!!

 F:\C & C++\Tasique dev C++\mini prioject 1.exe

Which of the following is a Palindrome number?


A.42042

B.101010

C.23232

D.01234

Correct!!!

 F:\C & C++\Tasique dev C++\mini prioject 1.exe

*** CONGRATULATION Mohammad Tasdique Mehdi you are eligible to play the Game ***

!Press any key to Start the Game!

 F:\C & C++\Tasique dev C++\mini prioject 1.exe

All are the example of input devices Except a:


A.Scanner

B.Mouse

C.Printer

D.Keyboard

Correct!!!

 F:\C & C++\Tasique dev C++\mini project mohammad tasdique.exe

What kind of file extension .mpg?,


A.Movie file

B.Text file

C.Image file

D.Audio file

Correct!!!

 F:\C & C++\Tasique dev C++\mini project mohammad tasdique.exe

Who is he founder of facebook?

A.Mark zuckerburg

B.Tesla

C.Steve jobs

D.Bill gates

Correct!!!

```
F:\C & C++\Tasique dev C++\mini project mohammad tasdique.exe

Which of he following is a web browser?
A.Dreamweaver      B.Netscape navigator
C.Maya              D.Flash
Wrong!!! The correct answer is B.Netscape navigator
```

```
F:\C & C++\Tasique dev C++\mini project mohammad tasdique.exe

***** CONGRATULATION *****
You won $400000.00

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

Conclusion

We have developed software for quize game with the basic of minimax algorithm for mathematic analysis alongside speeding concept and optimizing. In this quiz game mini project in C, I haven't used file handling for reading and storing the Quiz questions asked during the game. I have used file only for recording the score secured or the amount of cash prize won by players.

Not using file handling in C for reading and storing questions may seem a bad idea, but this mini project can definitely guide you to create similar Quiz games by using

file handling for aforementioned operations. We have also executed the software with different input scenario and observed the output. The software performs all tasks as per expectation.

References

1. www.wikipedia.org/
2. www.Google.com
3. www.beginnersbook.com
4. <https://youtube.com>

