



Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering
Semester: (Fall , Year: 2022), B.Sc. in CSE (Day)

Course Title: Structured Programming Lab
Course Code: CSE 104 Section: 222DC

Lab Project Report Name: Quiz Game

Student Details

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[For Teachers use only:**Don't Write Anything inside this box**]

Lab Project Status

Marks:

Signature:

Comments:

Date:

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Chapter 1

Introduction

1.1 Introduction

A quiz game is a form of entertainment in which the player's general or specific knowledge is tested through a series of questions.

It has a quiz part that will increase a user knowledge. This game is fun to play and anyone can play the game.

1.2 Design Goals/Objective

- 1. Testing identifies gaps in knowledge.**
- 2. This quiz game develops and facilitates our learning.**

Chapter 2

Implementation of the Project

2.1 source code

```
#include <stdio.h>
#include <conio.h>
#include <stdlib.h>
int main()
{
    FILE *file;
    struct score
    {
        char name[30];
        int result;
    };
    struct score s;
```



```

        scanf("%d", &ans);
if (ans == 3)
{
    printf("\n\tCorrect!\n");
    right++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}
else if (ans == 1 || ans == 2 || ans == 4)
{
    printf("\n\tWrong!\nRight answer: (3)\n");
    wrong++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}
else
{
    printf("\nYou entered invalid answer. Enter the answer
again:\n");
    goto q2;
}
count++;

q3:
printf("\n[3] How many rivers are there in Dhaka?\n\n
(1) Six\n (2) Five\n (3) Three\n (4) Four\n");
printf("\n\tYour Answer (1,2,3 or 4): ");
scanf("%d", &ans);
if (ans == 1)
{
    printf("\n\tCorrect!\n");
    right++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}

else if (ans == 2 || ans == 3 || ans == 4)
{
    printf("\n\tWrong!\nRight answer: (1)\n");
    wrong++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}

else
{
    printf("\nYou entered invalid answer. Enter the answer
again:\n");
    goto q3;
}
count++;

```

```

q4:
    printf("\n[4] Which country has the highest population?\n\n (1) India\n (2) China\n (3) United States\n (4) Brazil\n");
    printf("\n\tYour Answer (1,2,3 or 4): ");
    scanf("%d", &ans);
    if (ans == 2)
    {
        printf("\nCorrect!\n");
        right++;
    }

    printf("\nPress any key to move to the next quiz\n");
    getch();
    system("CLS");
}

else if (ans == 1 || ans == 3 || ans == 4)
{
    printf("\nWrong!\nRight answer: (2)\n");
    wrong++;
}

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}

else
{
    printf("\nYou entered invalid answer. Enter the answer again:\n");
    goto q4;
}
count++;

q5:
printf("\n[5] Which is the hottest planet in our solar
system?\n\n (1) Mars\n (2) Mercury\n (3) sun\n (4) Venus\n");
printf("\n\tYour Answer (1,2,3 or 4): ");
scanf("%d", &ans);

if (ans == 4)
{
    printf("\n\tCorrect!\n");
    right++;
}

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}

else if (ans == 1 || ans == 2 || ans == 3)
{
    printf("\n\tWrong!\nRight answer: (2)\n");
    wrong++;
}

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");

```

```

    }

else
{
    printf("\nYou entered invalid answer. Enter the answer
again:\n");
    goto q5;
}
count++;

q6:
printf("\n[6] In which stadium will the opening match of
World Cup football 2022 be held ?\n\n
(1) Khalifa International Stadium\n (2) Al-Janoob Stadium\n (3) Al-
Tumama Stadium\n (4) Al-Bayt Stadium\n");
printf("\n\tYour Answer (1,2,3 or 4): ");
scanf("%d", &ans);
if (ans == 4)
{
    printf("\n\tCorrect!\n");
    right++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}
else if (ans == 1 || ans == 2 || ans == 3)
{
    printf("\n\tWrong!\nRight answer: (4)\n");
    wrong++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}
else
{
    printf("\nYou entered invalid answer. Enter the answer
again:\n");
    goto q6;
}
count++;

q7:
printf("\n[7] Who invented C programming language?\n\n
(1) Charles Babbage\n (2) Dennis Ritchie\n (3) Steve Jobs\n (4)
Graham Bell\n");
printf("\n\tYour Answer (1,2,3 or 4): ");
scanf("%d", &ans);

if (ans == 2)
{
    printf("\n\tCorrect!\n");
    right++;

printf("\nPress any key to move to the next quiz\n");
getch();
system("CLS");
}

```

```

else if (ans == 1 || ans == 4 || ans == 3)
{
    printf("\nWrong!\nRight answer: (1)\n");
    wrong++;

    printf("\nPress any key to move to the next quiz\n");
    getch();
    system("CLS");
}
else
{
    printf("\nYou entered invalid answer. Enter the
answer again:\n");
    goto q7;
}
count++;

q8:
printf("\n[8] Won three World Cups as a player--\
\n\n (1) Maradona\n (2) Ronaldo\n (3) Pele\n (4) Johan Cruyf\n");
printf("\n\tYour Answer (1,2,3 or 4): ");
scanf("%d", &ans);
if (ans == 3)
{
    printf("\n\tCorrect!\n");
    right++;

    printf("\nPress any key to move to the next quiz\n");
    getch();
    system("CLS");
}

else if (ans == 1 || ans == 2 || ans == 4)
{
    printf("\nWrong!\nRight answer: (1)\n");
    wrong++;

    printf("\nPress any key to move to the next quiz\n");
    getch();
    system("CLS");
}
else
{
    printf("\nYou entered invalid answer. Enter the
answer again:\n");
    goto q8;
}
count++;

q9:
printf("\n[9] Which country is the most champion in
World Cup football?\n\n (1) Argentina\n (2) Brazil\n (3) Uruguay\n (4) Italy");
printf("\n\tYour Answer (1,2,3 or 4): ");
scanf("%d", &ans);
if (ans == 2)
{

```

```

        printf("\n\tCorrect!\n");
        right++;

        printf("\nPress any key to move to the next quiz\n");
        getch();
        system("CLS");
    }
    else if (ans == 1 || ans == 3 || ans == 4)
    {
        printf("\nWrong!\nRight answer: (3)\n");
        wrong++;
        printf("\nPress any key to move to the next quiz\n");
        getch();
        system("CLS");
    }
    else
    {
        printf("\nYou entered invalid answer. Enter the
answer again:\n");
        goto q9;
    }
    count++;

q10:
    printf("\n[10] Fill the proper preposition:\n
    \n\tNo, thanks. I was ..... the cinema yesterday.\n
    \n\n (1) under\n (2) into\n (3) at\n (4) to\n");
    printf("\n\tYour Answer (1,2,3 or 4): ");
    scanf("%d", &ans);
    if (ans == 3)
    {
        printf("\n\tCorrect!\n");
        right++;

        printf("\nPress any key to move to the next quiz\n");
        getch();
        system("CLS");
    }

    else if (ans == 1 || ans == 2 || ans == 4)
    {
        printf("\n\tWrong!\nRight answer: (3)\n");
        wrong++;
        printf("\nPress any key to move to the next quiz\n");
        getch();
        system("CLS");
    }
    else
    {
        printf("\nYou entered invalid answer. Enter the
answer again:\n");
        goto q10;
    }
    count++;

printf("\t\t\t.....Result History.....\n");

printf("\n\tNumber of questions attempted: %d\n\tCorrect answers: %d\
    \n\tWrong answers: %d", count, right, wrong);

```

```

        printf("\n\nEnter your name: ");
        getchar();
        fgets(s.name, 29, stdin);

        s.result = right;

        fprintf(file, "%s %d\n", s.name, s.result); // Storing name
and score of user in file

        printf("\n-----");

        printf("\n\nReplay? So Please << y >> Or << n >> Press : ");
        scanf("%c", &key);

    } while (key == 'y');
    fclose(file);
    goto start;

case 2:

    printf("\nPress any key to move to the next quiz\n");
    getch();
    system("CLS");

    file = fopen("Quiz score.txt", "r"); // Opening file to read
data

    printf("\n\t# Scoreboard #\n\n");

    while (fscanf(file, "%s %d", s.name, &s.result) != EOF)
        printf(" Name: %s, Score: %d\n", s.name, s.result);

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

    goto start;

case 3:

    printf("\nPress any key to move to the next quiz\n");
    getch();
    system("CLS");

    printf("\n\t\t\t..... End .....\n");

    getch();

    return 0;

default:
    printf("You entered invalid key");
}

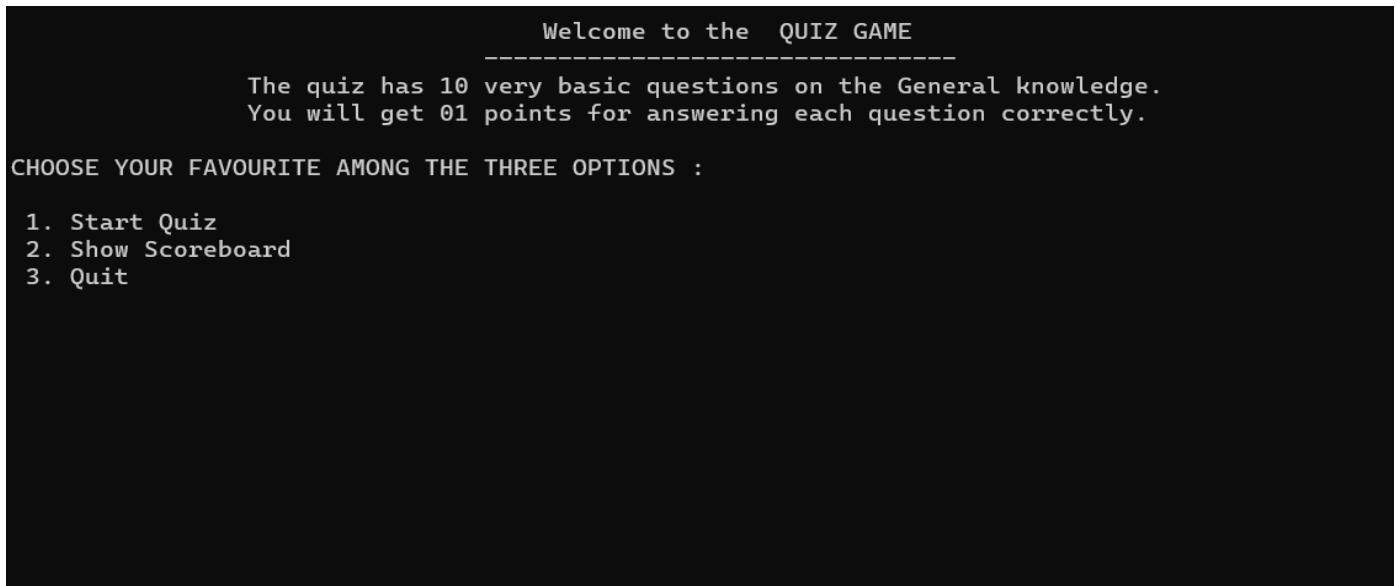
}

```

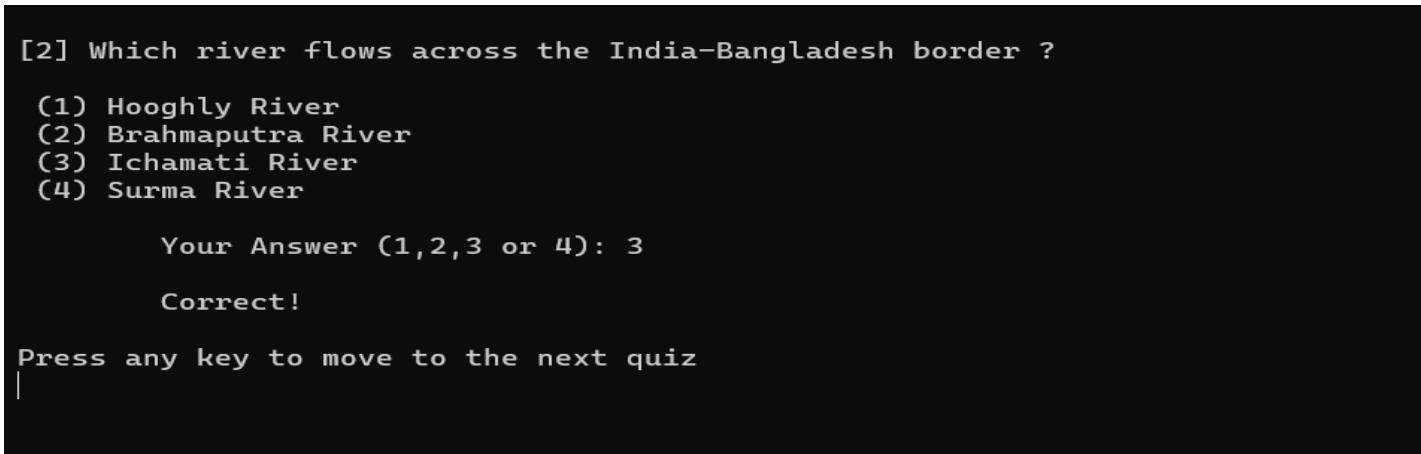
Chapter 3 : Performance

3.1 Results and Discussions

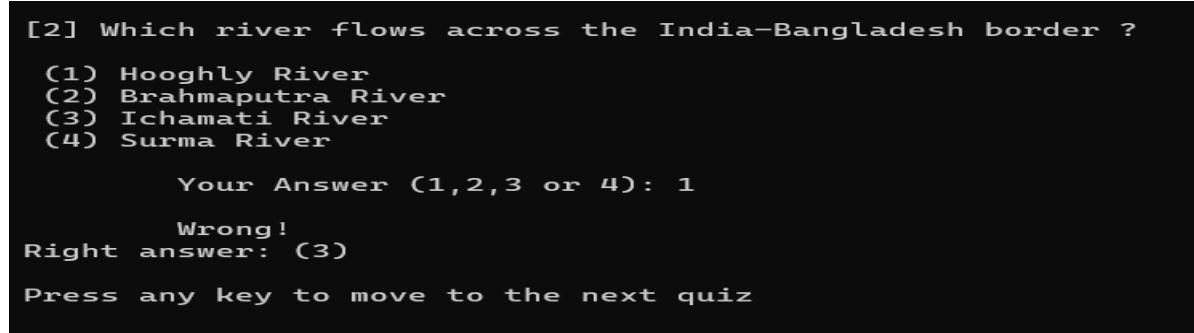
1. You will get three options here where Quiz game, Scoreboard and Exit game, you can play the game according to your choice by combining them.



- 2. If you enter right answer then show output that's **Correct!** answer....



- And enter wrong answer then show output **Wrong !** answer



3. When the player choose the wrong option for any question then again show the same question until the player chooses the right option.

[2] Which river flows across the India-Bangladesh border ?

- (1) Hooghly River
- (2) Brahmaputra River
- (3) Ichamati River
- (4) Surma River

Your Answer (1,2,3 or 4): 5

You entered invalid answer. Enter the answer again:

[2] Which river flows across the India-Bangladesh border ?

- (1) Hooghly River
- (2) Brahmaputra River
- (3) Ichamati River
- (4) Surma River

Your Answer (1,2,3 or 4): 2

Wrong!

Right answer: (3)

Press any key to move to the next quiz

4. At the end of the exam you will be told your result details. And if you can go back to the game again.....

.....Result History.....

Number of questions attempted: 10
Correct answers: 8
Wrong answers: 2

Enter your name: Zehadul Islam

Replay? So Please << y >> Or << n >> Press : y

[1] Dhaka is capital of Bangladesh. On which river it is situated?

- (1) Padma
- (2) Buriganga
- (3) Jamuna
- (4) Maghna

Your Answer (1,2,3 or 4): |

- If you don't like it after getting the result, leave...

```
.....Result History.....  
  
Number of questions attempted: 10  
Correct answers: 1  
Wrong answers: 9  
  
Enter your name: Zehadul Islam  
-----  
  
Replay? So Please << y >> Or << n >> Press : n  
  
1. Start Quiz  
2. Show Scoreboard  
3. Quit
```

5. The more times you do this, the more your results will accumulate. And anytime you select 2, you will see all your old Result in this Scoreboard

```
# Scoreboard #  
  
Name: zehad, Score: 4  
Name: Midul, Score: 3  
Name: zehad, Score: 1  
Name: 1, Score: 1  
Name: eye, Score: 1  
Name: 1, Score: 1  
Name: 23, Score: 1  
Name: zehad, Score: 1  
Name: 2, Score: 1  
Name: 1, Score: 4  
Name: zehad, Score: 8  
Name: 2, Score: 3  
Name: 1, Score: 1  
Name: 3, Score: 3  
Name: 3, Score: 3  
Name: g, Score: 3  
*****  
  
1. Start Quiz  
2. Show Scoreboard  
3. Quit
```


6. And finally exit the game anytime you want. And end the game....

..... End

Chapter 4

Conclusion

Learning Outcome

From this assignment, I have learned to implement a few C concepts in the future projects such as if else condition , goto statement , character and string.

4.1 Future Scope

- I can add unlimited questions to this quiz game.
- I will develop the program in the future so that it shows different questions at different times..

References

[1] <https://www.studytonight.com/c-projects/quiz-game-project-using-c-language>

[2] <https://www.codewithc.com/quiz-game-mini-project-in-c/>