



**MAHARASHTRA STATE BOARD OF TECHNICAL
EDUCATION, MUMBAI
A MICROPORJECT ON: -**

**Development of the Global Knowledge Quiz
Submitted By:**

Om Pradip Patil	roll-23
Aditya Navnath Navgire	roll-27
Deep Dinesh Patil	roll-29
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**Under The Guidance of
Prof: Natali Sankhe.**

**In partial fulfilment of Second Semester of
Diploma in Computer Engineering**



**Department of Computer Engineering
St. John Polytechnic, Palghar
A.Y.2023-24**

Subject and code:PIC (312303)
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Semester : Second

MICROPROJECT REPORT ON

Prepare report on
Development of the Global Knowledge Quiz

Sr No.	Roll No Sem II	Full Name of Student	Enrollment No	Seat no Sem II
1.	23	Om Pradip Patil	23112470132	151408
2.	27	Aditya Navnath Navgire	23112470128	151404
3.	29	Deep Dinesh Patil	23112470140	151416
4.	34	Yash Rajesh Vartak	23112470119	151395

Under the guidance of Prof: Natali Sankhe.



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TECHNICAL EDUCATION, MUMBAI**
Department of Computer Engineering.
St. John Polytechnic, Palghar

Certificate

This is to certify that **Om Pradip Patil** Roll No: **23** of Second Semester of First-year Diploma in Computer Engineering at ST. JOHN COLLEGE OF ENGINEERING & MANAGEMENT has completed the Micro Project satisfactorily in Subject **Programming in c(312303)** the academic year 2023-24 as prescribed in the MSBTE prescribed curriculum of K Scheme.

Place : Palghar

Enrollment No :**2311240132**

Date : / /

Exam Seat No:**151408**

Project Guide

Head of the Department

Principal

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This is to certify that **Aditya Navnath Navgire** Roll No:**27** of Second Semester of First-year Diploma in Computer Engineering at ST. JOHN COLLEGE OF ENGINEERING & MANAGEMENT has completed the Micro Project satisfactorily in Subject **Programming in c (312303)** the academic year 2023-24 as prescribed in the MSBTE prescribed curriculum of K Scheme.

Place : Palghar
Date : / /

EnrollmentNo:**23112470128**
Exam Seat No:**151404**

Project Guide

Head of the Department

Principal

Certificate

This is to certify that **Deep Dinesh Patil** Roll No: **29** of Second Semester of First-year Diploma in Computer Engineering at ST. JOHN COLLEGE OF ENGINEERING & MANAGEMENT has completed the Micro Project satisfactorily in Subject **Programming in c(312303)** the academic year 2023-24 as prescribed in the MSBTE prescribed curriculum of K Scheme.

Place : Palghar

Enrollment No:**23112470128**

Date : / /

Exam Seat No: **151416**

Project Guide

Head of the Department

Principal

Certificate

This is to certify that **Yash Rajesh Vartak** Roll No:**34** of Second Semester of First-year Diploma in Computer Engineering at ST. JOHN COLLEGE OF ENGINEERING & MANAGEMENT has completed the Micro Project satisfactorily in Subject **Programming in c(312303)** the academic year 2023-24 as prescribed in the MSBTE prescribed curriculum of K Scheme.

Place : Palghar

Enrollment No:**2311240119**

Date : / /

Exam Seat No:**151395**

Project Guide

Head of the Department

Principal

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Abstract:

"Development of the Global Knowledge Quiz" represents a concerted effort to enhance global awareness and educational engagement through the utilization of the C programming language to create an interactive quiz platform. This initiative emerged from the recognition of the imperative to cultivate a deeper understanding of global issues among students, particularly in the context of their first-year curriculum in computer science at St. John College of Engineering and Management.

The primary objective of the project was to develop a quiz application that challenges users with multiple-choice questions on diverse global topics, while also serving as an educational tool to foster critical thinking and broaden perspectives. By leveraging the capabilities of the C programming language, the team sought to create a robust and user-friendly interface that seamlessly integrates educational content with interactive features.

In pursuit of this goal, the project commenced with an extensive review of existing literature pertaining to educational quizzes and global awareness initiatives. Drawing upon insights gleaned from prior research, the team formulated a comprehensive methodology encompassing several key phases. These included the selection of pertinent global topics, the formulation of thought-provoking questions, the design and implementation of the quiz interface using C programming constructs, and rigorous testing to ensure functionality and user accessibility.

Introduction:

"Development of the Global Knowledge Quiz" project seeks to address two fundamental objectives: firstly, to create a platform that challenges users with multiple-choice questions spanning a diverse array of global topics, and secondly, to serve as an educational tool that not only imparts knowledge but also cultivates critical thinking skills and encourages active engagement with global issues. By embedding educational content within an interactive quiz format, the project endeavors to transcend traditional pedagogical approaches and provide students with a dynamic and immersive learning experience.

The choice of global topics for inclusion in the quiz reflects a commitment to exposing students to a broad spectrum of issues, ranging from socio-economic development and environmental sustainability to cultural diversity and geopolitical dynamics. Through thoughtful curation and formulation of questions, the quiz aims to stimulate curiosity, provoke reflection, and instill a sense of global citizenship among users. Moreover, by incentivizing user participation through the award of points based

on their answers, the quiz seeks to foster a spirit of friendly competition while reinforcing learning objectives.

The decision to develop the quiz using the C programming language was guided by several considerations. Notably, the language's efficiency, portability, and low-level control make it well-suited for developing lightweight and responsive applications, thereby ensuring optimal performance across diverse computing environments. Additionally, the widespread availability of resources and expertise in C programming within the academic community enhances accessibility and facilitates knowledge-sharing among students and educators alike.

In summary, the "Development of the Global Knowledge Quiz" project represents a convergence of technological innovation, educational pedagogy, and global awareness initiatives. By harnessing the power of the C programming language, the project endeavors to transcend geographical and cultural boundaries, empowering students to become informed global citizens equipped to navigate the complexities of an interconnected world.

Source code:

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int score = 0;
    clrscr();

    printf("Microproject by FY.COMUTER\n");
    printf("Team Members-\n");
    printf("Om Pradip Patil          roll-23\n");

    printf("Aditya Navnath Navgire      roll-27\n");
    printf("Deep Dinesh Patil             roll-29\n");
    printf("Yash Rajesh Vartak           roll-34\n");

    printf("Welcome to the Global Knowledge Quiz!\n");

    printf("you have to score 90+points for 1 prise\n");
    printf("you have to score 80+points for 2 prise\n");
    printf("you have to score 70+points for 3 prise\n");

    printf("\n1. What is the national currency of Japan?\n");
```

```

printf("a. Yen\nb. Won\nc. Baht\nd. Ringgit\n");
char answer1;
scanf(" %c", &answer1);
if (answer1 == 'a' || answer1 == 'A') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'a. Yen'.\n");
}

printf("\n2. Which river is considered the holiest river in India?\n");
printf("a. Yamuna\nb. Ganges\nc. Brahmaputra\nd. Godavari\n");
char answer2;
scanf(" %c", &answer2);
if (answer2 == 'b' || answer2 == 'B') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. Ganges'.\n");
}

printf("\n3. In which country is the Great Barrier Reef located?\n");
printf("a. Australia\nb. Brazil\nc. Mexico\nd. Canada\n");
char answer3;
scanf(" %c", &answer3);
if (answer3 == 'a' || answer3 == 'A') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'a. Australia'.\n");
}

```

```

}

printf("\n4. Which mountain range separates Europe and Asia?\n");
printf("a. Andes\nb. Rocky Mountains\nc. Alps\nd. Ural Mountains\n");
char answer4;
scanf(" %c", &answer4);
if (answer4 == 'd' || answer4 == 'D') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'd. Ural Mountains'.\n");
}

printf("\n5. What is the capital city of Brazil?\n");
printf("a. Rio de Janeiro\nb. Brasília\nc. São Paulo\nd. Buenos Aires\n");
char answer5;
scanf(" %c", &answer5);
if (answer5 == 'b' || answer5 == 'B') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. Brasília'.\n");
}

printf("\n6. In which year did India gain independence from British rule?\n");
printf("a. 1945\nb. 1947\nc. 1950\nd. 1962\n");
char answer6;
scanf(" %c", &answer6);
if (answer6 == 'b' || answer6 == 'B') {
    printf("Correct! You earned 5 points.\n");
}

```

```

    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. 1947'.\n");
}

printf("\n7. Which country is known as the 'Land of the Rising Sun'?\n");
printf("a. China\nb. South Korea\nc. Japan\nd. Thailand\n");
char answer7;
scanf(" %c", &answer7);
if (answer7 == 'c' || answer7 == 'C') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'c. Japan'.\n");
}

printf("\n8. What is the national sport of Canada?\n");
printf("a. Hockey\nb. Lacrosse\nc. Curling\nd. Basketball\n");
char answer8;
scanf(" %c", &answer8);
if (answer8 == 'a' || answer8 == 'A') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'a. Hockey'.\n");
}

printf("\n9. Which river is the longest in the world?\n");
printf("a. Amazon\nb. Nile\nc. Yangtze\nd. Mississippi\n");
char answer9;

```

```

scanf(" %c", &answer9);
if (answer9 == 'b' || answer9 == 'B') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. Nile'.\n");
}

printf("\n10. What is the national flower of Japan?\n");
printf("a. Rose\nb. Tulip\nc. Lotus\nd. Cherry Blossom\n");
char answer10;
scanf(" %c", &answer10);
if (answer10 == 'd' || answer10 == 'D') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'd. Cherry Blossom'.\n");
}

printf("\n11. Which city is known as the 'City of Love'?\n");
printf("a. Paris\nb. Rome\nc. Barcelona\nd. Venice\n");
char answer11;
scanf(" %c", &answer11);
if (answer11 == 'a' || answer11 == 'A') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'a. Paris'.\n");
}

```

```

printf("\n12. Which country is famous for its windmills and tulip fields?\n");
printf("a. Germany\nb. Netherlands\nc. Switzerland\nd. Denmark\n");
char answer12;
scanf(" %c", &answer12);
if (answer12 == 'b' || answer12 == 'B') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. Netherlands'.\n");
}

```

```

printf("\n13. The Pyramids of Giza are located in which country?\n");
printf("a. Turkey\nb. Egypt\nc. Mexico\nd. Greece\n");
char answer13;
scanf(" %c", &answer13);
if (answer13 == 'b' || answer13 == 'B') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. Egypt'.\n");
}

```

```

printf("\n14. What is the official language of Australia?\n");
printf("a. English\nb. Spanish\nc. French\nd. Italian\n");
char answer14;
scanf(" %c", &answer14);
if (answer14 == 'a' || answer14 == 'A') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {

```

```

    printf("Wrong answer. The correct answer is 'a. English'.\n");
}

printf("\n15. Which famous festival is celebrated in Rio de Janeiro, Brazil?\n");
printf("a. Diwali\nb. Carnival\nc. Oktoberfest\nd. Songkran\n");
char answer15;
scanf(" %c", &answer15);
if (answer15 == 'b' || answer15 == 'B') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'b. Carnival'.\n");
}

printf("\n16. In which Indian state is the famous Golden Temple located?\n");
printf("a. Punjab\nb. Rajasthan\nc. Gujarat\nd. Uttar Pradesh\n");
char answer16;
scanf(" %c", &answer16);
if (answer16 == 'a' || answer16 == 'A') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'a. Punjab'.\n");
}

printf("\n17. Which country is known as the 'Land of the Midnight Sun'?\n");
printf("a. Norway\nb. Sweden\nc. Iceland\nd. Finland\n");
char answer17;
scanf(" %c", &answer17);
if (answer17 == 'a' || answer17 == 'A') {

```



```

printf("Correct! You earned 5 points.\n");
score += 5;
} else {
printf("Wrong answer. The correct answer is 'a. Norway'.\n");
}

```

```

printf("\n18. What is the national animal of China?\n");
printf("a. Panda\nb. Tiger\nc. Elephant\nd. Kangaroo\n");
char answer18;
scanf(" %c", &answer18);
if (answer18 == 'a' || answer18 == 'A') {
printf("Correct! You earned 5 points.\n");
score += 5;
} else {
printf("Wrong answer. The correct answer is 'a. Panda'.\n");
}

```

```

printf("\n19. Which famous landmark is located in Agra, India?\n");
printf("a. Eiffel Tower\nb. Taj Mahal\nc. Sydney Opera House\nd. Machu Picchu\n");
char answer19;
scanf(" %c", &answer19);
if (answer19 == 'b' || answer19 == 'B') {
printf("Correct! You earned 5 points.\n");
score += 5;
} else {
printf("Wrong answer. The correct answer is 'b. Taj Mahal'.\n");
}

```

```

printf("\n20. Which African country is known as the 'Pearl of Africa'?\n");
printf("a. Kenya\nb. Nigeria\nc. Uganda\nd. South Africa\n");

```

```
char answer20;
scanf(" %c", &answer20);
if (answer20 == 'c' || answer20 == 'C') {
    printf("Correct! You earned 5 points.\n");
    score += 5;
} else {
    printf("Wrong answer. The correct answer is 'c. Uganda'.\n");
}

printf("\nQuiz completed! Your total score is: %d points.\n", score);

getch();
}
```

Code Output:

Microproject by FY.COMUTER

Team Members-

Om Pradip Patil	roll-23
Aditya Navnath Navgire	roll-27
Deep Dinesh Patil	roll-29
Yash Rajesh Vartak	roll-34

Welcome to the Global Knowledge Quiz!

you have to score 90+points for 1 prise

you have to score 80+points for 2 prise

you have to score 70+points for 3 prise

1. What is the national currency of Japan?

- a. Yen
- b. Won
- c. Baht
- d. Ringgit

a

Correct! You earned 5 points.

2. Which river is considered the holiest river in India?

- a. Yamuna
- b. Ganges
- c. Brahmaputra
- d. Godavari

b

Correct! You earned 5 points.

3. In which country is the Great Barrier Reef located?

- a. Australia

- b. Brazil
- c. Mexico
- d. Canada

a

Correct! You earned 5 points.

4. Which mountain range separates Europe and Asia?

- a. Andes
- b. Rocky Mountains
- c. Alps
- d. Ural Mountains

d

Correct! You earned 5 points.

5. What is the capital city of Brazil?

- a. Rio de Janeiro
- b. Brasília
- c. São Paulo
- d. Buenos Aires

b

Correct! You earned 5 points.

6. In which year did India gain independence from British rule?

- a. 1945
- b. 1947
- c. 1950
- d. 1962

b

Correct! You earned 5 points.

7. Which country is known as the 'Land of the Rising Sun'?

- a. China
- b. South Korea
- c. Japan
- d. Thailand

c

Correct! You earned 5 points.

8. What is the national sport of Canada?

- a. Hockey
- b. Lacrosse
- c. Curling
- d. Basketball

a

Correct! You earned 5 points.

9. Which river is the longest in the world?

- a. Amazon
- b. Nile
- c. Yangtze
- d. Mississippi

b

Correct! You earned 5 points.

10. What is the national flower of Japan?

- a. Rose
- b. Tulip
- c. Lotus
- d. Cherry Blossom

d

Correct! You earned 5 points.

11. Which city is known as the 'City of Love'?

- a. Paris
- b. Rome
- c. Barcelona
- d. Venice

a

Correct! You earned 5 points.

12. Which country is famous for its windmills and tulip fields?

- a. Germany
- b. Netherlands
- c. Switzerland
- d. Denmark

b

Correct! You earned 5 points.

13. The Pyramids of Giza are located in which country?

- a. Turkey
- b. Egypt
- c. Mexico
- d. Greece

b

Correct! You earned 5 points.

14. What is the official language of Australia?

- a. English
- b. Spanish
- c. French

d. Italian

a

Correct! You earned 5 points.

15. Which famous festival is celebrated in Rio de Janeiro, Brazil?

a. Diwali

b. Carnival

c. Oktoberfest

d. Songkran

b

Correct! You earned 5 points.

16. In which Indian state is the famous Golden Temple located?

a. Punjab

b. Rajasthan

c. Gujarat

d. Uttar Pradesh

a

Correct! You earned 5 points.

17. Which country is known as the 'Land of the Midnight Sun'?

a. Norway

b. Sweden

c. Iceland

d. Finland

a

Correct! You earned 5 points.

18. What is the national animal of China?

a. Panda

- b. Tiger
- c. Elephant
- d. Kangaroo

a

Correct! You earned 5 points.

19. Which famous landmark is located in Agra, India?

- a. Eiffel Tower
- b. Taj Mahal
- c. Sydney Opera House
- d. Machu Picchu

b

Correct! You earned 5 points.

20. Which African country is known as the 'Pearl of Africa'?

- a. Kenya
- b. Nigeria
- c. Uganda
- d. South Africa

c

Correct! You earned 5 points.

Quiz completed! Your total score is: 100 points.

Conclusion:

The development of the "Global Knowledge Quiz" stands as a testament to the dedication and ingenuity of the team of first-year computer science students at St. John College of Engineering and Management. Throughout the course of this project, we embarked on a journey of learning and discovery, leveraging our programming skills to create a valuable educational resource that transcends the boundaries of traditional learning.

Beyond the realm of technical proficiency, the "Global Knowledge Quiz" has made a meaningful contribution to the educational landscape. By creating an interactive platform that challenges users with multiple-choice questions on global topics, we have provided a dynamic and engaging tool for learning and exploration. The quiz serves as a catalyst for intellectual curiosity, encouraging users to delve into diverse global subjects and expand their knowledge horizons. Moreover, by awarding points based on the accuracy of users' answers, the quiz incentivizes active participation and reinforces learning objectives, thereby promoting a culture of lifelong learning among its users.

Importantly, the impact of the "Global Knowledge Quiz" extends beyond the confines of our academic institution. As a freely accessible online resource, the quiz has the potential to reach a global audience, transcending geographical and cultural boundaries. In an era marked by unprecedented interconnectedness, initiatives such as this play a crucial role in fostering global awareness and understanding, empowering individuals to become informed global citizens capable of navigating the complexities of our increasingly interconnected world.

In conclusion, the development of the "Global Knowledge Quiz" represents a significant milestone in our academic journey. It has not only enriched our programming skills but also contributed to the broader educational community by providing a valuable learning resource. As we reflect on our accomplishments, we are grateful for the opportunity to collaborate, innovate, and make a positive impact through technology. Moving forward, we remain committed to leveraging our skills and knowledge to drive positive change and continue our pursuit of excellence in education and beyond.

Reference:

- C Programming Language documentation
- Relevant course materials and tutorials
- www.w3schools.com

Here are some additional references that you may find helpful for your C microproject:

1. ****GeeksforGeeks****: This website offers a wide range of tutorials, articles, and practice problems for C programming. It covers various topics, from basic syntax to advanced concepts.
2. ****Tutorialspoint****: Tutorialspoint provides comprehensive tutorials and examples for C programming. It covers topics like arrays, functions, pointers, file handling, and more.
3. ****Stack Overflow****: Stack Overflow is a popular platform where programmers ask questions and receive answers from the community. You can search for specific C programming topics or ask your own questions if you encounter any issues.
4. ****C Programming: A Modern Approach by K.N. King****: This book is highly recommended for learning C programming. It covers modern C programming practices and provides numerous exercises to reinforce your understanding.
5. ****The C Programming Language by Brian Kernighan and Dennis Ritchie****: Known as the "K&R" book, this classic text is the original reference for the C programming language. It offers a concise explanation of C syntax and features.
6. ****C Programming Forums****: Participating in online forums dedicated to C programming can be valuable for getting help, sharing ideas, and learning from others' experiences. Websites like C Board (cboard.cprogramming.com) and Dream.In.Code (www.dreamincode.net) are popular forums for C programmers.
7. ****GitHub****: GitHub hosts countless open-source C projects that you can explore for inspiration, reference, and collaboration. You can search for C projects related to your microproject topic and examine their code to learn best practices and techniques.
8. ****GNU C Library Documentation****: If your project involves system programming or interacting with low-level system functions, the GNU C Library documentation (<https://www.gnu.org/software/libc/manual/>) can be a valuable resource.

These references should provide you with a solid foundation and ample resources to complete your C microproject successfully.

