PFC PROJECT

Auto README Generator using C Programming

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AGENDA

- Introduction
- Technology Used
- Project Working
- Program Code
- Output
- Applications
- Advantages
- Conclusion

INTRODUCTION

Developed using C programming language

Your pREADME file is important for GitHub projectsaragraph text

Writing README manually takes time

Your parThis project automatically generates README.mdagraph text

Your paragrapBeginner friendly and easy to understandh text

TECHNOLOGY USED

- Your paraProgramming Language: C
- Code Editor: Visual Studio Code
- Version Control Platform: GitHub
- File Format: Markdown (.md)
- Header File Used: stdio.h
- graph text

1. Your puser runs the program
2. User enters project details
3. Program creates README.md file
4. Data is written into the file
5. File content is displayed on screen

Paragraph text

PROJECT WORKING

01

PROGRAM CODE (OVERVIEW)

- Uses stdio.h header file
- Uses FILE pointer for file handling
- Important functions used:
- fopen()
- fprintf()
- fgetc()
- fclose()
- File is created in write mode
- File is read in read mode

PROGRAM CODE (KEY LOGIC)

```
file = fopen("README.md","w");
fprintf(file,"# Project Title");
fclose(file);

file = fopen("README.md","r");
while((ch = fgetc(file)) != EOF) {
    printf("%c", ch);
}
```

- Your pFirst file is created and written
- Then same file is read and printed aragraph text

02

```c
#include <stdio.h>

int main() {
    FILE *file;
    char title[50];
    char description[200];
    char feature1[50], feature2[50];
    char tech1[30], tech2[30];
    char ch;

    printf("===== AUTO README GENERATOR =====\n\n");
    printf("Enter Project Title: ");
    scanf(" %[^\n]", title);
    printf("Enter Project Description: ");
    scanf(" %[^\n]", description);
    printf("Enter Feature 1: ");
    scanf(" %[^\n]", feature1);
    printf("Enter Feature 2: ");
    scanf(" %[^\n]", feature2);
    printf("Enter Tech Stack 1: ");
    scanf(" %[^\n]", tech1);
    printf("Enter Tech Stack 2: ");
    scanf(" %[^\n]", tech2);

    file = fopen("README.md", "w");
    if (file == NULL) {
        printf("File cannot be created!\n");
        return 0;
    }
    fprintf(file, "# %s\n\n", title);
    fprintf(file, "## Description\n%s\n\n", description);
    fprintf(file, "## Features\n");
    fprintf(file, "- %s\n", feature1);
    fprintf(file, "- %s\n\n", feature2);
    fprintf(file, "## Tech Stack\n");
    fprintf(file, "- %s\n", tech1);
    fprintf(file, "- %s\n\n", tech2);
    fprintf(file, "## Output\n");
    fprintf(file, "README.md file ready to be pushed on GitHub\n");
    fclose(file);
    printf("\n README.md generated successfully!\n");

    file = fopen("README.md", "r");
    if (file == NULL) {
        printf("File open nahi ho pa rahi hai!\n");
        return 0;
    }
    printf("\n===== README.md FILE CONTENT =====\n\n");
    while ((ch = fgetc(file)) != EOF) {
        printf("%c", ch);
    }
    fclose(file);
    return 0;
}
```

03 OUTPUT

- README.md file is generated
- Output is displayed on screen
- File is properly formatted
- Ready to push on GitHub

```
===== AUTO README GENERATOR =====

Enter Project Title: README GENERATOR
Enter Project Description: first project
Enter Feature 1: a
Enter Feature 2: b
Enter Tech Stack 1: c programming
Enter Tech Stack 2: github

 README.md generated successfully!

===== README.md FILE CONTENT =====

# README GENERATOR

## Description
first project

## Features
- a
- b

## Tech Stack
- c programming
- github

## Output
README.md file ready to be pushed on GitHub
PS C:\Users\hp\OneDrive\Desktop\Gaurav sable (10519) PFC\Gaurav_ka_project>
```

APPLICATIONS

1

Useful for students and beginners

2

Helpful for GitHub projects

3

Saves time in documentation

4

Can be extended for future use

ADVANTAGES

- Simple and easy project
- Beginner friendly
- Uses basic C concepts
- Automates README creation
- Improves documentation skills

CONCLUSION

- Auto README Generator is a useful C project
- Demonstrates file handling concepts
- Helps understand real-world programming
- Good learning experience for beginners
- Can be improved in future

Thank You

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ghussa mut hoiye hum
nadan hai