```c
#include <stdio.h>
#include <stdlib.h>

void createFile(const char *filename) {
    FILE *file = fopen(filename, "w");
    if (file == NULL) {
        printf("Error creating file.\n");
        return;
    }
    printf("File created successfully.\n");
    fclose(file);
}

void writeFile(const char *filename) {
    FILE *file = fopen(filename, "w");
    if (file == NULL) {
        printf("Error opening file for writing.\n");
        return;
    }
    fprintf(file, "This is a new file with written content.\n");
    printf("Data written to file successfully.\n");
    fclose(file);
}

void appendFile(const char *filename) {
    FILE *file = fopen(filename, "a");
    if (file == NULL) {
        printf("Error opening file for appending.\n");
        return;
    }
    fprintf(file, "This line is appended to the file.\n");
    printf("Data appended to file successfully.\n");
    fclose(file);
}

void readFile(const char *filename) {
    char ch;
    FILE *file = fopen(filename, "r");
    if (file == NULL) {
        printf("Error opening file for reading.\n");
        return;
    }
    printf("File contents:\n");
    while ((ch = fgetc(file)) != EOF) {
        putchar(ch);
    }
    fclose(file);
}

int main() {
    const char *filename = "example.txt";

    createFile(filename);      // Creates the file
```

```c
    writeFile(filename);        // Writes to the file (overwrites content)
    appendFile(filename);       // Appends new content to the file
    readFile(filename);         // Reads and displays the file content

    return 0;
}
```