```c
// Program to append some text to a file by reading filename from user.
#include <stdio.h>
#include <stdlib.h>

int main() {
    // Declare file pointer and character variable
    FILE *fp;
    char filename[20];
    char c;

    // Get filename from user
    printf("Enter filename: ");
    gets(filename);

    // Open file in append mode
    fp = fopen(filename, "a");

    // Check if file is opened successfully
    if (fp == NULL) {
        printf("Cannot create or open file.");
        exit(0);
    }

    // Prompt user to enter text
    printf("\nEnter text to append to file %s:\n", filename);

    // Read characters until newline and append to the file
    while ((c = getchar()) != '\n') {
        fputc(c, fp);
    }

    // Close the file
    fclose(fp);

    return 0;
}

```

```
question1.c:(.text+0x24): warning: the `gets' function is dangerous and should not be used.
Enter filename: manish.txt

Enter text to append to file manish.txt:
hello my name is manish

manish@fedora: ~/vs-code/bca-programming-repo/C/file_handling_example_programs main!
$
```

```c
// Program to open a file and copy all its content to another file.
#include <stdio.h>
#include <stdlib.h>

int main()
{
    FILE *sfp, *dfp;
    char sourceFile[30], destFile[30], c;

    // Input source and destination file names
    printf("Enter source file name: ");
    gets(sourceFile);
    printf("Enter destination file name: ");
    gets(destFile);

    // Open source file in read mode
    sfp = fopen(sourceFile, "r");
    if (sfp == NULL)
    {
        printf("Source file can't be open.");
        exit(0);
    }

    // Open destination file in append mode
    dfp = fopen(destFile, "w");
    if (dfp == NULL)
    {
        printf("Destination file cannot be created or opened.");
        fclose(sfp); // Close the source file before exiting
        exit(0);
    }

    // Copy content from source to destination
    while ((c = fgetc(sfp)) != EOF)
    {
        fputc(c, dfp);
    }

    printf("\nCopied...");

    // Close both files
    fclose(dfp);
    fclose(sfp);

    return 0;
}

```

```
question2.c:(.text+0x24): warning: the `gets' function is dangerous and should not be used.
Enter source file name: source.txt
Enter destination file name: destination.txt

Copied...%

manish@fedora: ~/vs-code/bca-programming-repo/C/file_handling_example_programs main!
$
```

```c
// Given a text file, create another file deleting all the vowels (a,e,i,o,u)
#include <stdio.h>
#include <stdlib.h>

int main()
{
    // Open the source file for reading
    FILE *fp = fopen("source.txt", "r");
    if (fp == NULL)
    {
        printf("Cannot open source file.\n");
        exit(1);
    }

    // Open or create a new file for writing without vowels
    FILE *fp2 = fopen("delVowels.txt", "w");
    if (fp2 == NULL)
    {
        printf("Cannot create or open destination file.\n");
        fclose(fp);
        exit(1);
    }

    char ch;

    // Read characters from the source file
    while ((ch = fgetc(fp)) != EOF)
    {
        // Check if the character is not a vowel, and write to the destination file
        if (ch != 'a' && ch != 'e' && ch != 'i' && ch != 'o' && ch != 'u')
        {
            fputc(ch, fp2);
        }
    }

    // Close both files
    fclose(fp2);
    fclose(fp);

    printf("Vowels removed, and the result is stored in delVowels.txt\n");

    return 0;
}

```

```
manish@fedora: ~/vs-code/bca-programming-repo/C/file_handling_example_programs main!
$ cd "/home/manish/vs-code/bca-programming-repo/C/file_handling_example_programs/" && gcc questi
n3
Vowels removed, and the result is stored in delVowels.txt

manish@fedora: ~/vs-code/bca-programming-repo/C/file_handling_example_programs main!
$
```

```c
/*Program to create a file named employee.txt and write name, id, address, and salary
of a employee to this file.*/
#include <stdio.h>
#include <stdlib.h>

int main()
{
    char name[30];
    int id;
    char address[30];
    float salary;

    // Open the file in write mode
    FILE *fp = fopen("employee.txt", "w");
    if (fp == NULL)
    {
        printf("File cannot be created or opened.");
        exit(1);
    }

    // Input employee details
    printf("\nEnter name of employee: ");
    gets(name);

    printf("\nEnter id of %s: ", name);
    scanf("%d", &id);

    printf("\nEnter address of %s: ", name);
    scanf(" %[^\n]s", address);

    printf("\nEnter salary of %s: ", name);
    scanf("%f", &salary);

    // Write employee details to the file
    printf("\nNow writing data to file...");
    fprintf(fp, "Name=%s\nID=%d\nAddress=%s\nSalary=%.2f", name, id, address, salary);
    printf("\nCompleted");

    // Close the file
    fclose(fp);
    return 0;
}

```

```
Enter name of employee: Manish Bhusal

Enter id of Manish Bhusal: 1

Enter address of Manish Bhusal: Ghorahi Dang

Enter salary of Manish Bhusal: 123456.6543

Now writing data to file...
Completed%
```

```c
/*Define a structure for Vehicle Owner having data members name, address, telephone member, vehicle number
and license number. Take the data for 3 owners, write them in file "own.txt". Read the data from the file
and display them.*/
#include <stdio.h>
#include <stdlib.h>

#define SIZE 2

struct vehicle_owner
{
    char name[30];
    char address[30];
    int telephone;
    int vehicle_num;
    int license_num;
};

int main()
{
    struct vehicle_owner vehicle[SIZE], v[SIZE];

    // Open the file in write mode
    FILE *fp = fopen("own.txt", "w");
    if (fp == NULL)
    {
        printf("Cannot create file.");
        exit(1);
    }

    // Input data for vehicle owners and write to file
    for (int i = 0; i < SIZE; i++)
    {
        printf("\nEnter information about vehicle owner %d", i + 1);
        printf("\nEnter name: ");
        scanf(" %[^\n]s", vehicle[i].name);
        printf("\nEnter address: ");
        scanf(" %[^\n]s", vehicle[i].address);
        printf("\nEnter telephone number: ");
        scanf("%d", &vehicle[i].telephone);
        printf("\nEnter vehicle number: ");
        scanf("%d", &vehicle[i].vehicle_num);
        printf("\nEnter license number: ");
        scanf("%d", &vehicle[i].license_num);

        // Write data to the file
        fprintf(fp, "%s\t%s\t%d\t%d\t%d\t\n",
                vehicle[i].name, vehicle[i].address, vehicle[i].telephone, vehicle[i].vehicle_num, vehicle[i].license_num);
    }
    fclose(fp);

    // Open the file in read mode
    fp = fopen("own.txt", "r");
    if (fp == NULL)
    {
        printf("Cannot open file for reading.");
        exit(1);
    }

    // Read data from the file and display
    printf("\nData read from file:\n");
    for (int i = 0; i < SIZE; i++)
    {
        fscanf(fp, "%s %s %d %d %d", v[i].name, v[i].address, &v[i].telephone, &v[i].vehicle_num, &v[i].license_num);
        printf("%s\t%s\t%d\t%d\t%d\n", v[i].name, v[i].address, v[i].telephone, v[i].vehicle_num, v[i].license_num);
    }
    fclose(fp);

    return 0;
}
```

```
Enter information about vehicle owner 1
Enter name: manish

Enter address: ghorahi

Enter telephone number: 345

Enter vehicle number: 432

Enter license number: 123

Enter information about vehicle owner 2
Enter name: bnyamin

Enter address: dang

Enter telephone number: 45

Enter vehicle number: 432

Enter license number: 122

Data read from file:
manish  ghorahi 345     432     123
bnyamin dang    45      432     122
```

```c
/*Some text file is given, create another text file replacing the following words
"Ram" to "Hari", "Sita" to "Gita", and "Govinda" to "Shiva"*/
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

int main()
{
    FILE *fp, *fpp;
    char c[20];

    // Open the source file in read mode
    fp = fopen("replace_name.txt", "r");
    if (fp == NULL)
    {
        printf("Cannot open file.");
        exit(1);
    }

    // Open the destination file in write mode
    fpp = fopen("newReplaced_name.txt", "w");
    if (fpp == NULL)
    {
        printf("Cannot create file");
        fclose(fp);
        exit(1);
    }

    // Read words from the source file and replace specified words
    while (fscanf(fp, "%s", c) != EOF)
    {
        if (strcmp(c, "Ram") == 0)
            fprintf(fpp, "Hari ");
        else if (strcmp(c, "Sita") == 0)
            fprintf(fpp, "Gita ");
        else if (strcmp(c, "Govinda") == 0)
            fprintf(fpp, "Shiva ");
        else
            fprintf(fpp, "%s ", c);
    }

    // Close both files
    fclose(fp);
    fclose(fpp);

    printf("Words replaced successfully.\n");

    return 0;
}

```

```
no
Words replaced successfully.

manish@fedora: ~/vs-code/bca-programmi
```