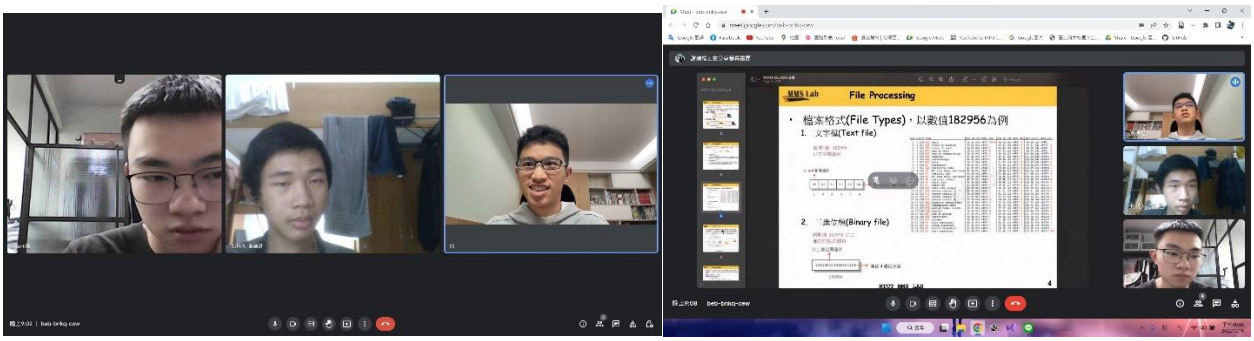
Discussion Time: 16th December, 2022, 20:56 - 22:01



P14

main.c

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

int main()
{
    FILE *filePointer;
    char character;
    int counter = 0;

    filePointer = fopen("../Homework_7/P14.txt","r");
    if (filePointer != NULL) {
        while ((character = getc(filePointer)) != EOF) {
            printf("%c", character);
            counter++;
        }
        fclose(filePointer);
        printf("\n\nNumber of letters within file: %d\n\n", counter);
    }

    else
        printf("File not found!!\n");

    system ("pause");
    return 0;
}
```

P15

main.c

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

int main()
{
    FILE *Pointer1, *Pointer2;
    char character;

    Pointer1 = fopen("../Homework_7/P15_In.txt","r");
    Pointer2 = fopen("../Homework_7/P15_Out.txt","w");
    if ((Pointer1 != NULL) && (Pointer2 != NULL)) {
        while ((character = getc(Pointer1)) != EOF)
            putc(character, Pointer2);

        fclose(Pointer1);
        fclose(Pointer2);

        printf("Copied P15_In.txt to P15_Out.txt successfully!\n");
    }

    else
        printf("File not found!!\n");

    system ("pause");
    return 0;
}
```

P16

main.c

```c
#include <stdio.h>
#include <stdlib.h>
#include <conio.h>
#define ENTER 13
#define MAX 80

int main()
{
    FILE *filePointer;
    char string[MAX], character;
    int i = 0;

    filePointer = fopen("../Homework_7/P16.txt","a");
    printf("Input any strings to be added. Press ENTER to end:\n");

    while ((character = getche()) != ENTER && i < MAX)
        string[i++] = character;
    putc('\n', filePointer);

    fwrite(string, sizeof(char), i, filePointer);
    fclose(filePointer);

    printf("P16.txt Modified!\n");

    system ("pause");
    return 0;
}
```

P17

main.c

```c
#include <stdio.h>
#include <stdlib.h>
#define MAX 80

int main()
{
    FILE *filePointer;
    char string[MAX], character;
    int bytes;

    filePointer = fopen("../Homework_7/P17.txt","r");

    while (!feof(filePointer)) {\
        bytes = fread(string, sizeof(char), MAX-1, filePointer);
        string[bytes]='\0';
        printf("%s", string);
    }
    printf("\n");

    fclose(filePointer);

    system ("pause");
    return 0;
}
```

P18

main.c

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

int main()
{
    FILE *inputPointer, *outputPointer;
    char string[100];
    int Ummm;

    inputPointer = fopen("../Homework_7/P18_In.txt","r");
    outputPointer = fopen("../Homework_7/P18_Out.txt","w");

    while (!feof(inputPointer)) {\
        Ummm = fscanf(inputPointer, "%s", string);
        if (Ummm > 0)
            fprintf(outputPointer, "%s\n", string);
    }

    fclose(inputPointer);
    fclose(outputPointer);

    printf("File modified!\n");

    system ("pause");
    return 0;
}
```

Conclusion:
Programs can be used to manipulate files within mass storage. From this homework, we only learn to modify a ".txt" file. It can be used

Code: https://github.com/AldrichWijaya/Homework.git