ASSIGNMENT-5

void get readed id()

- This function retrieves the list of previously read news from the "readed_news_id.txt" file and loads it into the readedId array.
- It displays an error message if the file cannot be opened.
- While reading the file content, it checks each read news ID before adding it to the readedId array to avoid duplicates.

void find magic number(FILE *file)

- This function is used to extract encrypted information from a file.
- When the # character is encountered in the file, it checks if the next character is a digit.
- If it is a digit, it adds this digit to the rakamlar array.

double formula(int size, int *numbers)

- This function performs a mathematical operation on encrypted information and returns the result.
- It applies a specific formula for each digit and accumulates the results.
- It returns the total result.

void read titles(char *title, FILE *news)

- This function reads the title from a news file.
- It writes the read title into the title array.

void read news(FILE *news)

- This function reads and prints the entire content of a news file to the screen.
- It continues reading the content of the file until the end is reached.

void menu()

- This function displays a menu to the user and performs the selected operation.
- It prints the news headlines and user options to the screen.
- Depending on the user's choice, it either reads a news, lists the read news, or extracts encrypted information.

int main()

- This function is the entry point of the program.
- Firstly, it retrieves the list of previously read news through the get readed id() function.
- Then, it initiates user interaction by calling the menu() function.

```
void read_titles(char *title, FILE *news)
    Click to collapse the range.
    fgets(title, 500, news);
}
```

```
void read_news(FILE *news)
{
    char new;
    printf("----\n");
    while ((new = fgetc(news)) != EOF)
    {
        printf("%c", new);
    }
    printf("----\n");
    fclose(news);
}
```

```
void menu()
{
    FILE *news1, *news2, *news3, *news4;
    char title1[500];
    char title2[500];
    char title4[500];
    char title4[500];
    char title4[500];
    char title4[500];
    char title4[500];
    char tohice;

    news1 = fopen(*1.txt", "r");
    news2 = fopen(*3.txt", "r");
    news2 = fopen(*4.txt", "r");
    news4 = fopen(*4.txt", "r");
    if (news1 == NULL || news2 == NULL || news3 == NULL || news4 == NULL)
    {
        printf(*Dosya acilamadi!*);
        red_titles(title2, news2);
        read_titles(title2, news2);
        read_titles(title3, news3);
        read_titles(title4, news4);
        fclose(news1);
        fclose(news2);
        fclose(news3);
        fclose(news4);
        printf(*Title of 1. news: %s", title1);
        printf("Title of 2. news: %s", title2);
        printf("Title of 3. news: %s", title3);
        printf("Title of 4. news: %s\n", title4);
        printf("Makt do you want to do?\n");
        printf("Make do you want to do?\n");
        printf("A.Read a new\nb.List the readed news\nc.Get decrypted information from the news\n");
        scanf(" %c", &choice);
    }
}
```

```
case 'b':
    get_readed_id();
    int x = 0;
    while (readedId[x] != '\0')
    {
        printf("%d. new is readed\n", readedId[x]);
        x++;
    }
    char choice4;
    printf("Do you want to continue? Yes(y) / No(n): ");
    scanf(" %c", &choice4);
    if (choice4 == 'y')
    {
        menu();
        break;
    }
    else if (choice4 == 'n')
    {
        printf("exiting...\n");
        break;
    }
}
```

Some Outputs:

```
What do you want to do?
a.Read a new
b.List the readed news
c.Get decrypted information from the news
Which news do you want to read?:1
Astronot Alper Gezeravcı'nın Dünya'ya dönüşü ertelendi
Türkiye'nin ilk astrono#8tu Alper Gezeravcı'nın da bulun#6duğu Dragon Uzay Aracı'nın Dünya'ya dönüşü, Florida kıyısında
hava durumunun uygun olmaması nedeniyle #5 Ocak'a ertelendi. SpaceX, X sosyal medya hesabından Ax-#3 ekibinin Uluslarara
sı Uzay İstasyonu'ndan (ISS) ayrılışının ertelendiğine dair açıklama yaptı. Açıklamada Florida kıyısındaki hava durumunu
n uygun olmaması nedeniyle Dragon ve Ax-#3 ekibinin #5 Şubat'tan önce ISS'ten ayrılmayacağı ifade edildi.
This new is readed. Do you want to read again? Yes(1) / No(0):
This new is readed. Do you want to read again? Yes(1) / No(0):0
***********Daily Press*****
Today's news are listed for you :
Title of 1. news: Astronot Alper Gezeravcı'nın Dünya'ya dönüşü ertelendi
Title of 2. news: Bakan Kacır, Astronot Gezeravcı ile Videokonferans Görüşmesi Gerçekleştirdi
Title of 3. news: Alper Gezeravcı uzayda 9. deneyini yaptı.
Title of 4. news: Astronotların uzaydaki ilk sözleri
What do you want to do?
a.Read a new
b.List the readed news
c.Get decrypted information from the news
4. new is readed
1. new is readed
Do you want to continue? Yes(y) / No(n):
Title of 1. news: Astronot Alper Gezeravcı'nın Dünya'ya dönüşü ertelendi
Title of 2. news: Bakan Kacır, Astronot Gezeravcı ile Videokonferans Görüşmesi Gerçekleştirdi
Title of 3. news: Alper Gezeravcı uzayda 9. deneyini yaptı.
Title of 4. news: Astronotların uzaydaki ilk sözleri
What do you want to do?
a.Read a new
b.List the readed news
c.Get decrypted information from the news
```

Youtube links:

https://youtu.be/RUyUSoxk920

Which news would you like to decrypt? :2 Second Experiment Key = 1183772.000000