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# Chapter 1

## Introduction

### 1. Introduction

An information system can be defined as a set of interrelated components that collect, manipulate, store data, distribute information to support decision making and provide a feedback mechanism to monitor performance. It may also help the manager and workers to analysis problems, visualize complex subject, and create new products. Software, Hardware, information system users, computer system connections and information, and the system's housing are all part of an Information System.

### 2. Design Goals/Objective

The objective of Cybersecurity is to protect information from being stolen, compromised or attacked. Cybersecurity can be measured by at least one of three goals-

1. Protect the confidentiality of data.
2. Preserve the integrity of data.
3. Promote the availability of data for authorized users.

# Chapter 2

## 1. Cyber Management System

The Cyber Management System I made using C program will be look likethis.

```
-----  
| WELCOME TO CYBER MANAGEMENT SYSTEM |  
-----  
  
WELCOME ADMIN!!! LOGIN SUCCESSFULL  
  
|<--MENU-->|  
  
1.Create Record  
2.Insert Record  
3.Display Record  
4.Search Record  
5.No Of Record  
6.Delete Record  
7.Update Record  
8.Sort In Record By Uer_id on Screen  
9.Sort In Record By Uer_id in File  
10.Sort In Record By User Name  
0.Exit  
  
Enter your choice :█
```

S.R.S :1

## 2.2 pseudo code:

```
Void Create Record();  
Void Insert Record();  
Void Display Record();  
Void Search Record();  
Void No Of Record();  
Void Delete Record();  
Void Update Record();  
Void Sort In Record By Uer_id on Screen();  
Void Sort In Record By Uer_id in File();  
Void Sort In Record By User Name();
```

```
void menu();
void user_menu();
void insert();
void display();
void search();
void delete ();
void arrival_time();
void user_login();
void login_user();
> void main() ...
> void heading() ...

> void main_heading() ...

> void menu() ...

> void user_menu() ...

> void insert() ...

> void display() ...
> void search() ...

> void delete () ...

> void arrival_time() ...

> void user_login() ...

> void login_user() ...
```

### 3. Implementation of the Project:

➤ **Start of the code:**

```
#include <stdio.h>
#include <string.h>
#include <conio.h>
#include <ctype.h>
#include <stdlib.h>

typedef struct cyber
{
    int id;
    char name[20], email[20], phone[20], dofb[20], sex[10];
    struct topics
    {
        int scode;
        char sname[20];
        int info;
    } tp[4];
    int total;
} cyber;

void heading()
{
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
    printf("\n\t\t\t\t\t|          WELCOME TO CYBER MANAGEMENT SYSTEM          |\t\t");
    printf("\n\t\t\t\t\t-----\t\t\t\t\t\n");
}

void main_heading()
{
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
    printf("\n\t\t\t\t\t|          CYBER MANAGEMENT SYSTEM          |\t\t");
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
}

void sortbyName()
{
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
    printf("\n\t\t\t\t\t|          CYBER MANAGEMENT SYSTEM SORT BY NAME          |\t\t");
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
}

void sortbyID()
{
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
    printf("\n\t\t\t\t\t|          CYBER MANAGEMENT SYSTEM SORT BY ID          |\t\t");
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
}
```

```

}
void search_value()
{
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
    printf("\n\t\t\t\t\t|          CYBER MANAGEMENT SYSTEM SEARCH          |\t\t");
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
}

void update_value()
{
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
    printf("\n\t\t\t\t\t|          CYBER MANAGEMENT SYSTEM UPDATE          |\t\t");
    printf("\n\t\t\t\t\t-----\t\t\t\t\t");
}

// Create item
void create()
{
    cyber *s;
    FILE *fp;
    int n, i, j;

    s = (cyber *)calloc(n, sizeof(cyber));
    fp = fopen("t.txt", "w");

    for (i = 0; i < 1; i++)
    {
        s[i].total = 0;
        printf("\n\t\t\t\t\t\tenter the id:");
        scanf("%d", &s[i]);
        fflush(stdin);
        printf("\n\t\t\t\t\t\tenter the name:");
        scanf("%s", s[i].name);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t1.enter your Email:");
        scanf("%s", s[i].email);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t1.enter your Phone:");
        scanf("%s", s[i].phone);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t1.enter your Dofb:");
        scanf("%s", s[i].dofb);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t1.enter your Sex:");
        scanf("%s", s[i].sex);
        fflush(stdin);

        for (j = 0; j < 3; j++)
        {
            printf("\n\t\t\t\t\t\t\tenter the information-1.-%d:", j + 1);
            scanf("%d", &s[i].tp[j].info);
            s[i].total += s[i].tp[j].info;
        }
        fwrite(&s[i], sizeof(cyber), 1, fp);
    }
}

```



```

    }
    fclose(fp);
}
// Display item
void display()
{
    cyber s1;
    FILE *fp;

    int j;
    fp = fopen("t.txt", "r");

    while (fread(&s1, sizeof(cyber), 1, fp))
    {
        printf("\n\t\t\t%-10d%-15s %-15s%-10s%-15s%-5s| \t\t", s1.id, s1.name, s1.email, s1.phone,
s1.dofb, s1.sex);
        for (j = 0; j < 3; j++)
        {
            printf("%d\t", s1.tp[j].info);
        }
        printf("%5d ", s1.total);
    }
}

// Appened item
void appened()
{
    cyber *s;
    FILE *fp;
    int n, i, j;
    // printf("\n\t\t\t\t\t\t\tenter how many user you want:");
    // scanf("%d", &n);
    s = (cyber *)calloc(n, sizeof(cyber));
    fp = fopen("t.txt", "a");
    for (i = 0; i < 1; i++)
    {
        // s[i].total = 0;
        printf("\t\t\t\t\t\t\tenter the id:");
        scanf("%d", &s[i]);
        fflush(stdin);

        printf("\t\t\t\t\t\t\tenter the name:");
        scanf("%s", s[i].name);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t\t1.enter your Email:");
        scanf("%s", s[i].email);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t\t1.enter your Phone:");
        scanf("%s", s[i].phone);
        fflush(stdin);
        printf("\n\t\t\t\t\t\t\t1.enter your Dofb:");
        scanf("%s", s[i].dofb);
        fflush(stdin);
    }
}

```

```

printf("\n\t\t\t\t\t1.enter your Sex:");
scanf("%[^\\n]s", s[i].sex);
fflush(stdin);

for (j = 0; j < 3; j++)
{
    printf("\n\t\t\t\t\tenter the information-%d:", j + 1);
    scanf("%d", &s[i].tp[j].info);
    s[i].total += s[i].tp[j].info;
}
fwrite(&s[i], sizeof(cyber), 1, fp);
}
fclose(fp);
printf("\nIf you add more user Just write 1 otherwise enter 0 :");
scanf(" %d", &n);
if (n == 1)
{
    appened();
}
else
{
    menu();
}
}
// no_of_rec
void nofr()
{
    cyber *s;
    FILE *fp;
    int n;
    printf("\n\t\t\t\t\t How Many User Are Avaible:\\n");
    fp = fopen("t.txt", "r");

    fseek(fp, 0, SEEK_END);
    n = ftell(fp) / sizeof(cyber);
    printf("\\n\\n\t\t\t\t\tNo of Records =%d", n);
}
// Search item
void search()
{
    main_heading();
    search_value();
    cyber s1;
    FILE *fp;
    int j;
    fp = fopen("t.txt", "r");
    int id, flag = 0;
    printf("\\n\t\t\t\t\twhich records search enter id:");
    scanf("%d", &id);
    while (fread(&s1, sizeof(cyber), 1, fp))
    {
        if (s1.id == id)

```

```

    {
        flag = 1;

        printf("\n\t\t\t%-10d%-15s %-15s%-10s%-15s%-10s| \t\t", s1.id, s1.name, s1.email,
s1.phone, s1.dofb, s1.sex);
        for (j = 0; j < 4; j++)
        {
            printf("%d\t", s1.tp[j].info);
        }
        printf("%5d ", s1.total);
    }
}
if (!flag)
{
    printf("\n\t\t\t\t\t\t\tRecords not found\n");
}
}
// Update item
void update()
{
    main_heading();
    update_value();
    cyber s1;
    FILE *fp;
    int j;
    fp = fopen("t.txt", "r");
    int id, flag = 0;
    FILE *p;
    n = fopen("update data.txt", "w");

    printf("\n\t\t\t\t\twhich records update enter id:");
    scanf("%d", &id);
    while (fread(&s1, sizeof(cyber), 1, fp))
    {
        if (s1.id == id)
        {
            s1.total = 0;
            flag = 1;
            fflush(stdin);
            printf("\nenter new name:");
            scanf("%s", s1.name);
            fflush(stdin);
            printf("\n\t\t\t\t\t1.enter your Email:");
            scanf("%s", s1.email);
            fflush(stdin);
            printf("\n\t\t\t\t\t1.enter your Phone:");
            scanf("%s", s1.phone);
            fflush(stdin);
            printf("\n\t\t\t\t\t1.enter your Dofb:");
            scanf("%s", s1.dofb);
            fflush(stdin);
            printf("\n\t\t\t\t\t1.enter your Sex:");

```

```

scanf("%[^\\n]s", s1.sex);
fflush(stdin);

for (j = 0; j < 3; j++)
{
    printf("\\n\\t\\t\\t\\t\\tenter the information-%d:", j + 1);
    scanf("%d", &s1.tp[j].info);
    s1.total += s1.tp[j].info;
}
}
fwrite(&s1, sizeof(cyber), 1, p);
}
fclose(fp);
fclose(p);
if (flag)
{
    p = fopen("update data.txt", "r");
    fp = fopen("t.txt", "w");
    while (fread(&s1, sizeof(cyber), 1, p))
    {
        fwrite(&s1, sizeof(cyber), 1, fp);
    }

    fclose(fp);
    fclose(p);
}
else
{
    printf("\\n Records not found\\n");
}
}
// Delete item
void delete ()
{
    cyber s1;
    FILE *fp;
    int j;
    fp = fopen("t.txt", "r");
    int id, flag = 0;
    FILE *p;
    p = fopen("update data.txt", "w");

    printf("which records delete enter id:");
    scanf("%d", &id);
    while (fread(&s1, sizeof(cyber), 1, fp))
    {
        if (s1.id == id)
        {
            flag = 1;
        }
    }
}

```

```

        else
            fwrite(&s1, sizeof(cyber), 1, p);
    }
    fclose(fp);
    fclose(p);
    if (flag)
    {
        p = fopen("update data.txt", "r");
        fp = fopen("t.txt", "w");
        while (fread(&s1, sizeof(cyber), 1, p))
        {
            fwrite(&s1, sizeof(cyber), 1, fp);
        }

        fclose(fp);
        fclose(p);
    }
    else
    {
        printf("\n Records not found\n");
    }
}

// sort by in screen
void sort_by_id_on_screen()
{
    cyber *s, s1;
    FILE *fp;
    int i, j;
    fp = fopen("t.txt", "r");
    fseek(fp, 0, SEEK_END);
    int n = ftell(fp) / sizeof(cyber);
    s = (cyber *)calloc(n, sizeof(cyber));
    rewind(fp);

    for (i = 0; i < n; i++)
    {
        fread(&s[i], sizeof(cyber), 1, fp);
    }
    for (i = 0; i < n; i++)
    {
        for (j = i + 1; j < n; j++)
        {
            if (s[i].id > s[j].id)
            {
                s1 = s[i];
                s[i] = s[j];
                s[j] = s1;
            }
        }
    }
    sortbyID();
    for (i = 0; i < n; i++)

```

```

{
    // printf("\n\t\t|%-10d%-15s %-15s%-10s%-15s%-10s|\t\t", s1.id, s1.name, s1.email, s1.phone,
s1.dofb, s1.sex);
    // for (j = 0; j <3; j++)
    // {
    //     printf("%d\t", s[i].tp[j].info);
    // }
    // printf("%5d ", s[i].total);
    printf("\n\t\t|%-10d%-15s %-15s%-10s%-10s%-10s| \t\t", s[i].id, s[i].name, s[i].email,
s[i].phone, s[i].dofb, s[i].sex);
    for (j = 0; j < 3; j++)
    {
        printf("%d\t", s[i].tp[j].info);
    }
    printf("%5d ", s[i].total);
}
fclose(fp);
}
// Sort by parmanent BY id
void sort_by_id_in_file()
{
    cyber *s, s1;
    FILE *fp;
    int i, j;
    fp = fopen("t.txt", "r");
    fseek(fp, 0, SEEK_END);
    int n = ftell(fp) / sizeof(cyber);
    s = (cyber *)calloc(n, sizeof(cyber));
    rewind(fp);
    for (i = 0; i < n; i++)
    {
        fread(&s[i], sizeof(cyber), 1, fp);
    }

    fclose(fp);
    for (i = 0; i < n; i++)
    {
        for (j = i + 1; j < n; j++)
        {
            if (s[i].id > s[j].id)
            {
                s1 = s[i];
                s[i] = s[j];
                s[j] = s1;
            }
        }
    }
}
fp = fopen("t.txt", "w");
main_heading();
sortbyID();
for (i = 0; i < n; i++)

```

```

    {
        // printf("\n\t\t\t|-10d%-15s %-15s%-10s%-15s%-10s|\t\t", s1.id, s1.name, s1.email, s1.phone,
s1.dofb, s1.sex);
        // for (j = 0; j < 3; j++)
        // {
        //     printf("%d\t", s[i].tp[j].info);
        // }
        // printf("%5d ", s[i].total);
        // fwrite(&s[i], sizeof(cyber), 1, fp);
        printf("\n\t\t\t|-10d%-15s %-15s%-10s%-15s%-10s| \t\t", s[i].id, s[i].name, s[i].email,
s[i].phone, s[i].dofb, s[i].sex);
        for (j = 0; j < 3; j++)
        {
            printf("%d\t", s[i].tp[j].info);
        }
        printf("%5d ", s[i].total);
    }

    fclose(fp);
}
// Sort By name
void sort_by_name()
{
    cyber *s, s1;
    FILE *fp;

    int i, j;
    fp = fopen("t.txt", "r");
    fseek(fp, 0, SEEK_END);
    int n = ftell(fp) / sizeof(cyber);

    s = (cyber *)calloc(n, sizeof(cyber));
    rewind(fp);
    for (i = 0; i < n; i++)
    {
        fread(&s[i], sizeof(cyber), 1, fp);
    }
    for (i = 0; i < n; i++)
    {
        for (j = i + 1; j < n; j++)
        {
            if (strcmp(s[i].name, s[j].name) > 0)
            {
                s1 = s[i];
                s[i] = s[j];
                s[j] = s1;
            }
        }
    }
}
main_heading();
sortbyName();
for (i = 0; i < n; i++)

```





```

printf("\n\n\t\t\t\t\tPress any key to continue ");
fflush(stdin);
getchar();
menu();
break;

case 3:
system("CLS");
main_heading();
display();
printf("\n\n\t\t\t\t\tPress any key to continue ");
fflush(stdin);
getchar();
menu();

case 4:
system("CLS");
search();
printf("\n\n\t\t\t\t\tPress any key to continue ");
fflush(stdin);
getchar();
menu();
break;

case 5:
system("CLS");
nofr();
printf("\n\n\t\t\t\t\tPress any key to continue ");
fflush(stdin);
getchar();
menu();
break;

case 6:
system("CLS");
delete ();
break;

case 7:
system("CLS");
update();
printf("\n\n\t\t\t\t\tPress any key to continue ");
fflush(stdin);
getchar();
menu();
break;

case 8:
system("CLS");
sort_by_id_on_screen();
printf("\n\n\t\t\t\t\tPress any key to continue ");
fflush(stdin);
getchar();
menu();

```

```

        break;
    case 9:
        system("CLS");
        sort_by_id_in_file();
        printf("\n\n\t\t\t\t\tPress any key to continue ");
        fflush(stdin);
        getchar();
        menu();
        break;
    case 10:
        system("CLS");
        sort_by_name();
        printf("\n\n\t\t\t\t\tPress any key to continue ");
        fflush(stdin);
        getchar();
        menu();
        break;
    case 0:
        system("CLS");
        exit(0);
        break;

    default:
        printf("INVALID CHOICE !!!");
        break;
}
}

void user_menu()
{
    int choice, n;
    printf("\n\n\n\t\t\t\t\t|<--MENU-->|");
    printf("\n\n\t\t\t\t\t1.View Your Record");
    printf("\n\n\t\t\t\t\t2.Exit");
    printf("\n\n\t\t\t\t\tEnter your choice :");
    scanf("%d", &choice);

    switch (choice)
    {
    case 1:
        system("CLS");
        search();
        fflush(stdin);
        break;

    case 2:
        // int n;
        printf("\n\n\t\t\t\t\tExit OR Main enter 0 for exit or enter 1 for main menu\n");
        scanf("%d", &n);
        if (n == 0)
        {
            system("CLS");
            exit(0);

```

```

    }
    else
    {
        menu();
    }

    break;
}

}

void Signin()
{
    cyber *s;
    FILE *fp;
    int n = 1, i, j;
    s = (cyber *)calloc(n, sizeof(cyber));
    fp = fopen("t.txt", "a");
    for (i = 0; i < n; i++)
    {
        s[i].total = 0;
        printf("\n\t\t\t\t\tEnter Password : ");
        scanf(" %d", &s[i]);
        fflush(stdin);
        printf("\n\t\t\t\t\tEnter Username :");
        scanf("%[^\\n]s", s[i].name);
        fflush(stdin);
        printf("\n\t\t\t\t\t1.enter your Email:\\n");
        scanf("%[^\\n]s", s[i].email);
        fflush(stdin);
        printf("\n\t\t\t\t\t1.enter your Phone:\\n");
        scanf("%[^\\n]s", s[i].phone);
        fflush(stdin);
        printf("\n\t\t\t\t\t1.enter your Dofb:\\n");
        scanf("%[^\\n]s", s[i].dofb);
        fflush(stdin);
        printf("\n\t\t\t\t\t1.enter your Sex:\\n");
        scanf("%[^\\n]s", s[i].sex);
        fflush(stdin);

        for (j = 0; j < 3; j++)
        {
            printf("\n\t\t\t\t\tenter the information- %d:", j + 1);
            scanf("%d", &s[i].tp[j].info);
            s[i].total += s[i].tp[j].info;
        }
        fwrite(&s[i], sizeof(cyber), 1, fp);
    }
    fclose(fp);
    system("CLS");
    printf("\n\t\t\t\t\tSuccessfully Signed in ");
    user_menu();
}

void login()

```

```

{
    cyber s1;
    FILE *fp;
    int j;

    fp = fopen("t.txt", "r");

    int id, flag = 0;
    char uname[20];

    printf("\n\t\t\tEnter Your Password:");
    scanf("%d", &id);
    printf("\n\t\t\tEnter Username:");
    scanf("%[\\n]s", uname);
    while (fread(&s1, sizeof(cyber), 1, fp))
    {
        if (s1.id == id)
        {
            flag = 1;
            system("CLS");
            main_heading();
            printf("\n\n\t\t\t\tWELCOME USER!!! LOGIN SUCCESSFULL");
            printf("\n\n");

            printf("\n\t\t\t|%-10d%-20s %-10s%-10s%-10s%-10s|\t\t", s1.id, s1.name, s1.email, s1.phone,
s1.dofb, s1.sex);
            for (j = 0; j < 3; j++)
            {
                printf("%d\t", s1.tp[j].info);
            }
            printf("%5d ", s1.total);

            printf("\n\n\t\t\t\t\tPress any key to continue ");
            fflush(stdin);
            getchar();
            user_menu();
            fflush(stdin);
            getchar();
            user_menu();
        }
        else
        {
            printf("\nIncorrect Username!!! try again");
            int n;
            printf("\nDo You Try Again Input 1 or 0\n");
            scanf("%d", &n);
            if (n == 1)
            {
                Signin();
                fflush(stdin);
            }
        }
    }
}

```

```

        menu();
    }

    if (!flag)
    {
        printf("\n Records not found\n");
    }
}

int main()
{
    while (1)
    {
        char name[30];
        int id;
        int ch;
        char username[20];
        char password[20];

        system("CLS");
        system("color 5F");
        heading();
        printf("\n\n\t\t\t\t\t1) Login as Admin");
        printf("\n\t\t\t\t\t2) Login as user");
        printf("\n\n\t\t\t\t\tEnter your choice (1/2) : ");
        scanf("%d", &ch);
        system("CLS");

        switch (ch)
        {
            case 1:
                system("CLS");
                system("color 4F");
                heading();
                printf("\n\n\t\t\t\t\t||      ADMIN LOGIN      ||\t\t\t\t");
                printf("\n\n\n\t\t\t\t\tEnter your Username :");
                scanf("%s", &username);
                printf("\t\t\t\t\tEnter your Password :");
                scanf("%s", &password);

                if (strcmp(username, "admin") == 0)
                {
                    if (strcmp(password, "admin") == 0)
                    {
                        system("CLS");
                        heading();
                        printf("\n\n\n\t\t\t\t\tWELCOME ADMIN!!! LOGIN SUCCESSFULL");
                        menu();
                    }
                    else
                    {
                        printf("\t\t\t\t\tIncorrect Password !!! Failed to Login");

```

```

    }
}
else
{
    printf("\t\t\t\t\tUsername is invalid !!! Failed to Login");
}

break;

case 2:
    system("CLS");
    heading();
    system("color 2F");
    int cho;
    printf("\n\n\t\t\t\t\t1.Login ");
    printf("\n\t\t\t\t\t2.New user? sign up ");
    printf("\n\t\t\t\t\t\nEnter your Choice : ");
    scanf("%d", &cho);

    switch (cho)
    {
        case 1:
            printf("\n\n\t\t\t\t\t||    USER LOGIN    ||\t\t\t\t");
            main_heading();
            login();
            break;

        case 2:
            system("CLS");
            printf("\n\n\t\t\t\t\t||    SIGNIN    ||\t\t\t\t");
            main_heading();
            Signin();
            break;

        default:
            printf("\n\t\t\t\t\tInvalid Choice!!!");
            break;
    }

default:
    printf("\n\n\t\t\t\t\tInvalid Choice!!!");
    break;
}
}
}
}

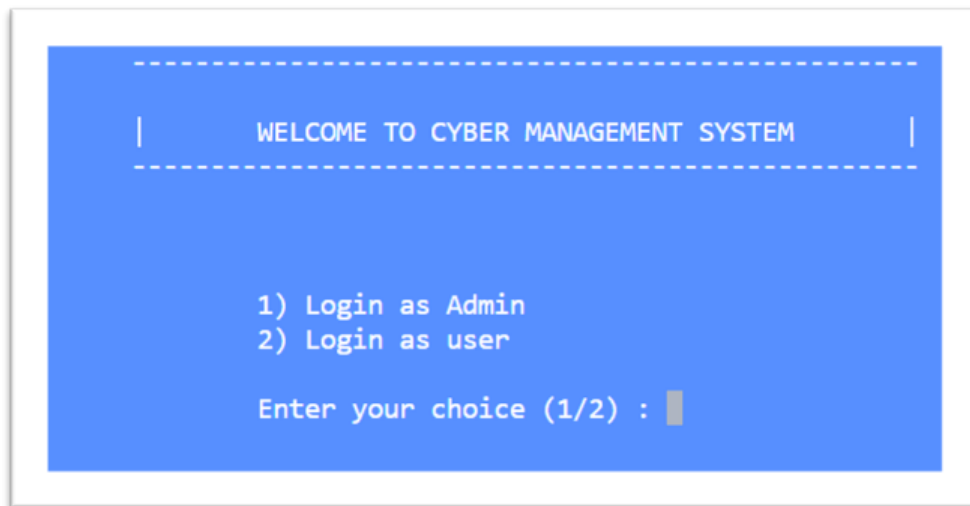
```



## 2. Results and Discussions

### 1. Output

- ❖ This is the main panel of the system. From there can do any of the following option.



- ❖ If the user enter 1 then the output will be look like that



This is how we a data insert or any number 1upto 10

```
-----  
|  WELCOME TO CYBER MANAGEMENT SYSTEM  |  
-----
```



WELCOME ADMIN!!! LOGIN SUCCESSFULL

|<--MENU-->|

- 1.Create Record
- 2.Insert Record
- 3.Display Record
- 4.Search Record
- 5.No Of Record
- 6.Delete Record
- 7.Update Record
- 8.Sort In Record By Uer\_id on Screen
- 9.Sort In Record By Uer\_id in File
- 10.Sort In Record By User Name
- 0.Exit

Enter your choice :3

CYBER MANAGEMENT SYSTEM									
88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	15
21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male	8	5	2	15
2	Pankaj				0 0 0	0			
15	Dulal	<u>d@gmail.com</u>	019...	7/8/2000	male	1	2	3	6

Press any key to continue

Enter your choice :2

enter the id:37

enter the name:Rabby

1.enter your Email:r@gmail.com

1.enter your Phone:018...

1.enter your Dofb:1/10/2002

1.enter your Sex:male

enter the information-1:5

enter the information-2:6

enter the information-3:4

If you add more user Just write 1 otherwise enter 0 :1

enter the id:41

enter the name:Virat

1.enter your Email:v@gmail.com

1.enter your Phone:015....

1.enter your Dofb:4/7/2002

1.enter your Sex:male

enter the information-1:4

enter the information-2:7

enter the information-3:5

If you add more user Just write 1 otherwise enter 0 :0

|<--MENU-->|

1.Create Record

2.Insert Record

3.Display Record

4.Search Record

5.No Of Record

6.Delete Record

7.Update Record

8.Sort In Record By Uer\_id on Screen

9.Sort In Record By Uer\_id in File

10.Sort In Record By User Name

0.Exit

Enter your choice :3

CYBER MANAGEMENT SYSTEM									
88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	15
21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male	8	5	2	15
2	Pankaj				0 0 0	0	0		
15	Dulal	<u>d@gmail.com</u>	019...	7/8/2000	male	1	2	3	6
37	Rabby	<u>r@gmail.com</u>	018...	1/10/2002	male	5	6	4	15
41	Virat	<u>v@gmail.com</u>	015....	4/7/2002	male	4	7	5	16

Press any key to continue

Enter your choice :4

```
-----
|      CYBER MANAGEMENT SYSTEM      |
-----
|      CYBER MANAGEMENT SYSTEM SEARCH  |
-----
```

which records search enter id:88

88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	0	15
----	-------	--------------------	--------	----------	--------	---	---	---	---	----

Press any key to continue

---

CYBER MANAGEMENT SYSTEM

---

CYBER MANAGEMENT SYSTEM SEARCH

---

which records search enter id:16

Records not found

Enter your choice :5

How Many User Are Available:

No of Records =6

Press any key to continue

---

CYBER MANAGEMENT SYSTEM

---

88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	15
21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male	8	5	2	15
15	Dulal	<u>d@gmail.com</u>	019...	7/8/2000	male	1	2	3	6
37	Rabby	<u>r@gmail.com</u>	018...	1/10/2002	male	5	6	4	15
41	Virat	<u>v@gmail.com</u>	015....	4/7/2002	male	4	7	5	16

Press any key to continue

|<--MENU-->|

1.Create Record

2.Insert Record

3.Display Record

4.Search Record

5.No Of Record

6.Delete Record

7.Update Record

8.Sort In Record By Uer\_id on Screen

9.Sort In Record By Uer\_id in File

10.Sort In Record By User Name

0.Exit

Enter your choice :6

---

CYBER MANAGEMENT SYSTEM

---

CYBER MANAGEMENT SYSTEM SEARCH

---

which records search enter id:15

Records not found

Enter your choice :7

| CYBER MANAGEMENT SYSTEM |

| CYBER MANAGEMENT SYSTEM UPDATE |

which records update enter id:41

enter new name:Jenny's

1.enter your Email:j@gmail.com

1.enter your Phone:012...

1.enter your Dofb:8/4/1995

1.enter your Sex:female

enter the information-1:4

enter the information-2:8

enter the information-3:2

Press any key to continue

Enter your choice :3

| CYBER MANAGEMENT SYSTEM |

88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	15
21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male	8	5	2	15
37	Rabby	<u>r@gmail.com</u>	018...	1/10/2002	male	5	6	4	15
41	Jenny's	<u>j@gmail.com</u>	012...	8/4/1995	female	4	8	2	14

Press any key to continue

Enter your choice :8

| CYBER MANAGEMENT SYSTEM SORT BY ID |

21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male	8	5	2	15
37	Rabby	<u>r@gmail.com</u>	018...	1/10/2002	male	5	6	4	15
41	Jenny's	<u>j@gmail.com</u>	012...	8/4/1995	female	4	8	2	14
88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	15

Press any key to continue

Enter your choice :10

| CYBER MANAGEMENT SYSTEM |

| CYBER MANAGEMENT SYSTEM SORT BY NAME |

41	Jenny's	<u>j@gmail.com</u>	012...	8/4/1995	female	4	8	2	14
21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male	8	5	2	15
88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female	8	5	2	15
37	Rabby	<u>r@gmail.com</u>	018...	1/10/2002	male	5	6	4	15

Press any key to continue  
Enter your choice :9

-----  
CYBER MANAGEMENT SYSTEM

-----  
CYBER MANAGEMENT SYSTEM SORT BY ID

21	Joy	<u>j@gmail.com</u>	013...	5/8/2002	male		8	5	2	15
37	Rabby	<u>r@gmail.com</u>	018...	1/10/2002	male		5	6	4	15
41	Jenny's	<u>j@gmail.com</u>	012...	8/4/1995	female		4	8	2	14
88	Nishi	<u>n@gmail.com</u>	014...	8/9/2002	female		8	5	2	1
										5

Press any key to continue

-----  
WELCOME TO CYBER MANAGEMENT SYSTEM

- 1.Login
- 2.New user? sign up

Enter your Choice :2

Successfully Signed in

|<--MENU-->|

- 1.View Your Record
- 2.Exit

Enter your choice :2

-----  
WELCOME TO CYBER MANAGEMENT SYSTEM

- 1.Login
- 2.New user? sign up

Enter your Choice :1

-----  
CYBER MANAGEMENT SYSTEM

WELCOME USER!!! LOGIN SUCCESSFULL

56	Kajol78	<u>k@mai.com014....</u>	7/8/2000	male		8	5	3	16
----	---------	-------------------------	----------	------	--	---	---	---	----

- ❖ Options 2 is for the display all the record available.



```
-----
|             CYBER MANAGEMENT SYSTEM             |
|-----|
|
| USER DETAILS ARE AS FOLLOWS :
|-----|
| User_ID   | Name of User | Date       | Time   | Duration |
|-----|-----|-----|-----|-----|
| 1         | zihad       | 21/04/2022 | 22:43 | 0Hr:1Min |
| 2         | pankaj      | 21/04/2022 | 22:43 | 0Hr:1Min |
|-----|-----|-----|-----|-----|
| Press any key to continue |
|-----|
```

Those are the record of user's

- ❖ Option 3 is for Search about a specific users search information



```
-----
|             CYBER MANAGEMENT SYSTEM             |
|-----|
|
| Enter user_ID to fetch information :1
|
| RECORD FOUND SUCCESSFULLY !!!
|
| User_ID : 1
| Name of User : zihad
| Login Date And Time : 21/04/2022   22:43
| Duration : 0Hr:2Min
|
| Press any key to continue |
|-----|
```

We can search using only user ID otherwise the result is invalid

- ❖ Option 4 is for Delete an information about a student



User_ID	Name of User	Date	Time	Duration
1	zihad	21/04/2022	22:43	0Hr:5Min
2	pankaj	21/04/2022	22:43	0Hr:5Min

Enter ID of the user which you want to delete : 2

Record Deleted Successfully!!!

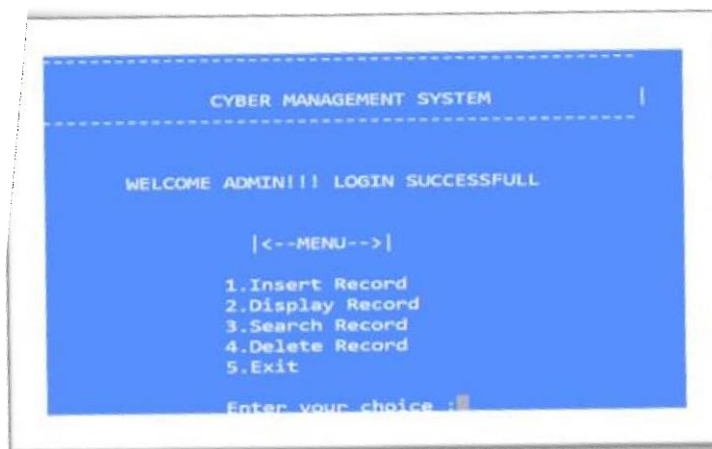
|----- Updated Records -----|

USER DETAILS ARE AS FOLLOWS :

User_ID	Name of User	Date	Time	Duration
1	zihad	21/04/2022	22:43	0Hr:5Min

- pankaj's information was deleted.

- ❖ Option 5 is for modify go to main menu section information



### 3.2.2 Analysis and Outcome

The project is build using C programming language. We do the coding on VS code using GCC compiler. This project is mainly built for reduce the pressure and do the work efficiently. We will update this project and add more feature. It will be helpful for all the all people . So fer we do the project using the course knowledge of structured programming.

# **Chapter 4**

## **Conclusion**

### **4.1 Introduction**

An information system can be defined as a set of interrelated components that collect, manipulate, store data, distribute information to support decision making and provide a feedback mechanism to monitor performance. It may also help the manager and workers to analyse problems, visualize complex subject, and create new products. Software, Hardware, information system users, computer system connections and information, and the system's housing are all part of an Information System.

#### **1. Practical Implications**

The Cyber Management System is mainly making for the security base software and it is help for people save hacking tendency and so on.

#### **2. Scope of Future Work**

In future this can be the most useful product in the any security issues and all the sector. It will keep all information safe and synchronized. In future we can add more feature to this. Like add hacking, tracking , find the history, more attractive look, and performance of that. Thissystem can make more purpose security issues and so on.  
In this way it can be helpful for our work.



# Chapter 5

## Reference

### 5.1 Reference

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