MINI PROJECT

TIME TABLE MANAGEMENT

* This project is a menu driven program where the user(student/teacher) can view the time table when required.
* The teacher faculty can modify the details of lectures and their timings.
* At the end of the day, the faculty can display timetable which will generate for different batches of C.S during run time of program.
* This program is mainly made using the knowledge we have gathered during the first semester of our course.
* In this program we have made use of 3D Arrays, Functions, and all the basis loop and switch conditions.

**How does it work ?**

The user is welcomed to the main page of the time table management window.

From there he/she can select from two options of whether he/she is a teacher or student.

1] For Teacher :

1. If the user selects teacher the program will further ask for the User ID and Password of

the faculty.

2. If the user gets the right User ID and Password , it will ask the user if they want to view

or edit the Time Table. If the user gets it wrong it will prompt for the User ID and

Passwordagain.

2] For Student :

1. If the user selects student the program will ask the student whether they want to view

the Time Table of the whole week or on daily Basis.

2. If the user selects daily basis it will ask the user to select the day.

SOURCE CODE:

#include<stdio.h>

#include<conio.h>

#include<string.h>

//declaring the functions used

void table\_time();

void student();

void teach\_view();

void stud\_view();

void log\_l();

void login();

void temp\_tt();

void daily\_view();

void stud\_repeat();

void edit();

//the main function which calls other function and welcomes the user

int main()

{

char table[16][50][17];

int user\_ipt, user\_ipt1,user\_ipt2,return\_1;

printf("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome to Time table management window \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

printf("-----------------------------------------------------------------------------------------------------");

log\_l();

return 0;

}

//function for printing the time table

void table\_time()

{

char table[7][37][17]={

{ {" Time"},{" "},{" 7:45"},{" "},{" "},{" 8:35"},{" "},{" "},{" 9:25"},{" "},{" 10:15"},{" -"},{" 10:35"},{" "},{" 10:35"},{" "},{" "},{" 11:25"},{" "},{" "},{" 12:15"},{" "},{" "},{" 13:05"},{" "},{" "},{" "},{" "},{" SY"},{" 7:45-"},{" 10:15"},{" TY"},{" 10:35-"},{" 13:05"},{" FY"},{" 13:25-"},{" 15:55"} },

{ {" Monday"},{"RUSCS501-MA N319"},{"-"},{"-"},{"RUSCS501-MA N319"},{"-"},{"-"},{"RUSCS504-PR N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS304-PR N421"},{"RUSCS107-PJ N117"},{"-"},{"RUSCS304-PR N421"},{"RUSCS107-PV N117"},{"-"},{"RUSCS306-MA N117"},{"RUSCS101-PV N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" "},{" "},{"PR & RM"},{"RUSCSP304"},{" "},{"RM & KP"},{"RUSCSP505"},{" "},{"KP & PR "},{"RUSCSP105 "},{" "} },

{ {" Tuesday"},{"RUSCS504-PR N319"},{"-"},{"-"},{"RUSCS503-PV N319"},{"-"},{"-"},{"RUSCS504-PR N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS304-PR N421"},{"RUSCS102-RM N117"},{"-"},{"RUSCS304-PR N421"},{"RUSCS102-RM N117"},{"-"},{"RUSCS302-PR N421"},{"RUSCS102-RM N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" P R"},{" "},{"KP & PV"},{"RUSCSP305"},{" "},{" "},{" "},{" "},{"MS & MA "},{"RUSCSP104 "},{" "} },

{ {" Wednesday"},{"RUSCS502-MS N319"},{"-"},{"-"},{"RUSCS503-PV N319"},{"-"},{"-"},{"RUSCS502-MS N319"},{"-"},{"-"},{" "},{" R E C E S S "},{" "},{"RUSCS306-MA N421"},{"RUSCS101-PV N117"},{"-"},{"RUSCS306-MA N319"},{"RUSCS105-KP N117"},{"-"},{"RUSCS301-KP N421"},{"RUSCS103-PV N117"},{"-"},{"RUSCS301-KP N117"},{"-"},{"-"},{" "},{"A C T I C A L S"},{" "},{"MA & PV"},{"RUSCSP303"},{" "},{" "},{" "},{" "},{"RM & KP "},{"RUSCSP102 "},{" "} },

{ {" Thursday"},{"RUSCS505-RM N319"},{"-"},{"-"},{"RUSCS505-RM N319"},{"-"},{"-"},{"-"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS303-PV N421"},{"RUSCS105-KP N117"},{"-"},{"303-PV N421"},{"105-KP N117"},{"-"},{"RUSCS302-PR N421"},{"RUSCS102-RM N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" "},{" "},{"EJ & KP"},{"RUSCSP307"},{" "},{" "},{" "},{" "},{"PR & PV "},{"RUSCSP101 "},{" "} },

{ {" Friday"},{"-"},{"-"},{"-"},{"RUSCS501-MA N319"},{"-"},{"-"},{"RUSCS501-MA N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS305-KP N421"},{"RUSCS107-PR N117"},{"-"},{"RUSCS305-KP N421"},{"RUSCS106-EJ N117"},{"-"},{"RUSCS302-PR N421"},{"RUSCS107-EJ N117"},{"-"},{"RUSCS105-KP LAB"},{"-"},{"-"},{" "},{" "},{" "},{"PR & RM"},{"RUSCSP302"},{" "},{" "},{" "},{" "},{"KP & PV "},{"RUSCSP103 "},{" "} },

{ {" Saturday"},{"RUSCS501-MS N319"},{"-"},{"-"},{"RUSCS503-MS N319"},{"-"},{"-"},{"RUSCS503-MS N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS301-KP N421"},{"RUSCS104-MS N117"},{"-"},{"RUSCS305-KP N421"},{"RUSCS104-MS N117"},{"-"},{"RUSCS306-MA N421"},{"RUSCS103-PV N117"},{"-"},{"RUSCS103-PV N117"},{"-"},{"-"},{" "},{" "},{" "},{"MA & MS"},{"RUSCSP306"},{"1:25PM-3:55PM"},{"EJ"},{"RUSCSP506"},{" "},{"EJ & PR "},{"RUSCSP106 "},{"7.45AM-10.15AM "} },

};

// draw table

int i, j,k;

for(j=0;j<37;j++)

{

for(i=0;i<7;i++)

{

printf("%-17s",table[i][j]);

printf("|");

}

printf("\n");

if(j%3==0)

{

for ( i = 0; i <7; i++)

{

printf("==================");

}

printf("\n");

}

}

}

//function created to print the timetable which will be used for editing

void temp\_tt()

{

char table[7][37][17]={

{ {" Time"},{" "},{" 7:45"},{" "},{" "},{" 8:35"},{" "},{" "},{" 9:25"},{" "},{" 10:15"},{" -"},{" 10:35"},{" "},{" 10:35"},{" "},{" "},{" 11:25"},{" "},{" "},{" 12:15"},{" "},{" "},{" 13:05"},{" "},{" "},{" "},{" "},{" SY"},{" 7:45-"},{" 10:15"},{" TY"},{" 10:35-"},{" 13:05"},{" FY"},{" 13:25-"},{" 15:55"} },

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{ {" Tuesday"},{"RUSCS504-PR N319"},{"-"},{"-"},{"RUSCS503-PV N319"},{"-"},{"-"},{"RUSCS504-PR N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS304-PR N421"},{"RUSCS102-RM N117"},{"-"},{"RUSCS304-PR N421"},{"RUSCS102-RM N117"},{"-"},{"RUSCS302-PR N421"},{"RUSCS102-RM N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" P R"},{" "},{"KP & PV"},{"RUSCSP305"},{" "},{" "},{" "},{" "},{"MS & MA "},{"RUSCSP104 "},{" "} },

{ {" Wednesday"},{"RUSCS502-MS N319"},{"-"},{"-"},{"RUSCS503-PV N319"},{"-"},{"-"},{"RUSCS502-MS N319"},{"-"},{"-"},{" "},{" R E C E S S "},{" "},{"RUSCS306-MA N421"},{"RUSCS101-PV N117"},{"-"},{"RUSCS306-MA N319"},{"RUSCS105-KP N117"},{"-"},{"RUSCS301-KP N421"},{"RUSCS103-PV N117"},{"-"},{"RUSCS301-KP N117"},{"-"},{"-"},{" "},{"A C T I C A L S"},{" "},{"MA & PV"},{"RUSCSP303"},{" "},{" "},{" "},{" "},{"RM & KP "},{"RUSCSP102 "},{" "} },

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{ {" Friday"},{"-"},{"-"},{"-"},{"RUSCS501-MA N319"},{"-"},{"-"},{"RUSCS501-MA N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS305-KP N421"},{"RUSCS107-PR N117"},{"-"},{"RUSCS305-KP N421"},{"RUSCS106-EJ N117"},{"-"},{"RUSCS302-PR N421"},{"RUSCS107-EJ N117"},{"-"},{"RUSCS105-KP LAB"},{"-"},{"-"},{" "},{" "},{" "},{"PR & RM"},{"RUSCSP302"},{" "},{" "},{" "},{" "},{"KP & PV "},{"RUSCSP103 "},{" "} },

{ {" Saturday"},{"RUSCS501-MS N319"},{"-"},{"-"},{"RUSCS503-MS N319"},{"-"},{"-"},{"RUSCS503-MS N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS301-KP N421"},{"RUSCS104-MS N117"},{"-"},{"RUSCS305-KP N421"},{"RUSCS104-MS N117"},{"-"},{"RUSCS306-MA N421"},{"RUSCS103-PV N117"},{"-"},{"RUSCS103-PV N117"},{"-"},{"-"},{" "},{" "},{" "},{"MA & MS"},{"RUSCSP306"},{"1:25PM-3:55PM"},{"EJ"},{"RUSCSP506"},{" "},{"EJ & PR "},{"RUSCSP106 "},{"7.45AM-10.15AM "} },

};

// draw table

int i, j,k;

for(j=0;j<37;j++)

{

for(i=0;i<7;i++)

{

printf("%-17s",table[i][j]);

printf("|");

}

printf("\n");

if(j%3==0)

{

for ( i = 0; i <7; i++)

{

printf("==================");

}

printf("\n");

}

}

}

//function which asks the user whether to return to the main screen

void student()

{

int return\_1;

printf("Do you want to return to the main screen ?\n1. Yes\n2. No\n");

scanf("%d",&return\_1);

printf("-----------------------------------------------------------------------------");

if (return\_1 == 1)

{

log\_l();

}

else if (return\_1 == 2)

{

printf("\nThank you for using our time table management system\n");

printf("-----------------------------------------------------------------------------");

}

else

{

printf("Sure you have selected the correct option...!\n");

printf("-----------------------------------------------------------------------------");

student();

}

}

//function asking for students input

void stud\_view()

{

int user\_ipt1;

printf("\nDo you want to view weekly or daily timetable ?\n1. Weekly\n2. Daily\n");

scanf("%d",&user\_ipt1);

printf("-----------------------------------------------------------------------------");

if (user\_ipt1 == 1)

{

printf("\nPrinting the timetable......\n");

printf("\n-----------------------------------------------------------------------------\n");

table\_time();

student();

}

else if (user\_ipt1 == 2)

{

daily\_view();

}

else

{

printf("Are you sure you have selected the correct option...?");

printf("\n-----------------------------------------------------------------------------");

stud\_view();

}

}

//function asking for teachers input

void teach\_view()

{

int user\_ipt2,user\_choice;

printf("\nDo you want to view or edit the time table ?\n1. View\n2. Edit\n");

scanf("%d",&user\_ipt2);

printf("-----------------------------------------------------------------------------\n");

if (user\_ipt2 == 1)

{

printf("\nPrinting the timetable......\n");

printf("-----------------------------------------------------------------------------\n");

temp\_tt();

cont:

printf("Do you want to edit ?\n1. Yes\n2. No\n ");

scanf("%d",&user\_choice);

printf("-----------------------------------------------------------------------------\n\n");

if(user\_choice == 1)

{

teach\_view();

}

else if(user\_choice = 2)

{

student();

}

else

{

goto cont;

}

}

else if (user\_ipt2 == 2)

{

edit();

edit();

}

else

{

printf("Sure you have selected the correct option...!\n");

printf("-----------------------------------------------------------------------------");

teach\_view();

}

}

//function for main screen

void log\_l()

{

int user\_ipt;

printf("\nAre you a student or teacher?\n1. Student\n2. Teacher\n ");

scanf("%d",&user\_ipt);

printf("-----------------------------------------------------------------------------");

if (user\_ipt == 1)

{

stud\_view();

}

else if (user\_ipt == 2)

{

login();

}

else

{

printf("Sure you have selected the correct option...!");

printf("\n-----------------------------------------------------------------------------");

log\_l();

}

}

//function for teachers login screen

void login()

{

char user\_name[20];

User:

printf("\nEnter your Name: ");

scanf("%s", &user\_name);

{

if( strcmp(user\_name,"megha")==0)

{

goto pass;

}

else if( strcmp( user\_name,"edith" )==0)

{

goto pass;

}

else if( strcmp(user\_name,"priyanka" )==0)

{

goto pass;

}

else if( strcmp(user\_name,"kiran" )==0)

{

goto pass;

}

else if( strcmp(user\_name,"pooja" )==0)

{

goto pass;

}

else if( strcmp(user\_name,"rasika" )==0)

{

goto pass;

}

else if( strcmp(user\_name,"mahavir")==0)

{

goto pass;

}

else

{

printf("You have enetred an invalid user id\nPlease enter id again\n");

printf("\n-----------------------------------------------------------------------------");

goto User;

}

char pass[50];

pass:

printf("\nEnter your password: ");

scanf("%s", &pass);

if(strcmp(pass,"admin")==0)

{

teach\_view();

}

else

{

printf("You have entered a wrong password\nEnter your password again\n");

printf("\n-----------------------------------------------------------------------------");

goto pass;

}

}

}

//function to display timetable in daily format

void daily\_view()

{

int user\_sub,user\_sub1;

int i, j, k;

char table[16][50][17]={

// time

{ {" Time"},{"================"},{" "},{" 7:45"},{" "},{"================"},{" "},{" 8:35"},{" "},{"================"},{" "},{" 9:25"},{" "},{"================"},{" 10:15"},{" -"},{" 10:35"},{"================"},{" "},{" 10:35"},{" "},{"================"},{" "},{" 11:25"},{" "},{"================"},{" "},{" 12:15"},{" "},{"================"},{" "},{" 13:05"},{" "},{"================"},{" "},{" "},{" "},{"================"},{" SY"},{" 7:45-"},{" 10:15"},{"================"},{" TY"},{" 10:35-"},{" 13:05"},{"================"},{" FY"},{" 13:25-"},{" 15:55"},{"================"} },

// ver line

{ {"|"},{"="},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{" "},{" "},{" "},{"="},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"="} },

//MOnday

{ {" Monday"},{"================"},{"RUSCS501-MA N319"},{"-"},{"-"},{"================"},{"RUSCS501-MA N319"},{"-"},{"-"},{"================"},{"RUSCS504-PR N319"},{"-"},{"-"},{"================"},{" "},{"RECESS "},{" "},{"================"},{"RUSCS304-PR N421"},{"RUSCS107-PJ N117"},{"-"},{"================"},{"RUSCS304-PR N421"},{"RUSCS107-PV N117"},{"-"},{"================"},{"RUSCS306-MA N117"},{"RUSCS101-PV N117"},{"-"},{"================"},{"-"},{"-"},{"-"},{"================"},{" "},{"PRACTICALS "},{" "},{"================"},{"PR & RM"},{"RUSCSP304"},{" "},{"================"},{"RM & KP"},{"RUSCSP505"},{" "},{"================"},{"KP & PR "},{"RUSCSP105 "},{" "},{"================"} },

// ver line

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//Tuesday

{ {" Tuesday"},{"================"},{"RUSCS504-PR N319"},{"-"},{"-"},{"================"},{"RUSCS503-PV N319"},{"-"},{"-"},{"================"},{"RUSCS504-PR N319"},{"-"},{"-"},{"================"},{" "},{"RECESS "},{" "},{"================"},{"RUSCS304-PR N421"},{"RUSCS102-RM N117"},{"-"},{"================"},{"RUSCS304-PR N421"},{"RUSCS102-RM N117"},{"-"},{"================"},{"RUSCS302-PR N421"},{"RUSCS102-RM N117"},{"-"},{"================"},{"-"},{"-"},{"-"},{"================"},{" "},{"PRACTICALS "},{" "},{"================"},{"KP & PV"},{"RUSCSP305"},{" "},{"================"},{" "},{" "},{" "},{"================"},{"MA & MS "},{"RUSCSP104 "},{" "},{"================"} },

// ver line

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//Wednesday

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// ver line

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//Thursday

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// ver line

{ {"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{" "},{" "},{" "},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{" "},{" "},{" "},{"="},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"="} },

//Friday

{ {" Friday"},{"================"},{"-"},{"-"},{"-"},{"================"},{"RUSCS501-MA N319"},{"-"},{"-"},{"================"},{"RUSCS501-MA N319"},{"-"},{"-"},{"================"},{" "},{"RECESS "},{" "},{"================"},{"RUSCS305-KP N421"},{"RUSCS107-PR N117"},{"-"},{"================"},{"RUSCS305-KP N421"},{"RUSCS106-EJ N117"},{"-"},{"================"},{"RUSCS302-PR N421"},{"RUSCS107-EJ N117"},{"-"},{"================"},{"RUSCS105-KP LAB"},{"-"},{"-"},{"================"},{" "},{"PRACTICALS "},{" "},{"================"},{"PR & RM"},{"RUSCSP302"},{" "},{"================"},{" "},{" "},{" "},{"================"},{"PV & KP "},{"RUSCSP103 "},{" "},{"================"} },

// ver line

{ {"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{" "},{" "},{" "},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{"|"},{"|"},{"|"},{"="},{" "},{" "},{" "},{"="},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"="} },

//Saturday

{ {" Saturday"},{"================"},{"-"},{"-"},{"-"},{"================"},{"RUSCS503-MS N319"},{"-"},{"-"},{"================"},{"RUSCS503-MS N319"},{"-"},{"-"},{"================"},{" "},{"RECESS "},{" "},{"================"},{"RUSCS301-KP N421"},{"RUSCS104-MS N117"},{"-"},{"================"},{"RUSCS305-KP N421"},{"RUSCS104-MS N117"},{"-"},{"================"},{"RUSCS306-MA N421"},{"RUSCS103-PV N117"},{"-"},{"================"},{"RUSCS103-PV N117"},{"-"},{"-"},{"================"},{" "},{"PRACTICALS "},{" "},{"================"},{"MA & MS"},{"RUSCSP306"},{"1:25PM-3:55PM"},{"================"},{"EJ"},{"RUSCSP506"},{" "},{"================"},{"EJ & PR "},{"RUSCSP106 "},{"7.45AM-10.15AM "},{"================"} },

// ver line

{ {"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"|"},{"="} },

};

printf("\nWhich day do you want to view ?\n1. Monday\n2. Tuesday\n3. Wednesday\n4. Thursday\n5. Friday\n6. Saturday\n");

scanf("%d",&user\_sub);

//MONDAY TIMETABLE//

if(user\_sub == 1)

{

for (j = 0; j < 50; j++)

{

for (i = 0; i < 4; i++)

{

if (i % 2 != 0 && i != 0)

printf("%0s", table[i][j]);

else

printf("%-16s", table[i][j]);

}

printf("\n");

}

stud\_repeat();

}

/\* Tuesday\*/

else if(user\_sub == 2)

{

for (j = 0; j < 50; j++)

{

for (i = 0; i < 6; i+=4)

{

if (i % 2 != 0 && i != 0)

printf("%0s", table[i][j]);

else

printf("%-16s", table[i][j]);

}

printf("\n");

}

stud\_repeat();

}

/\* Wednesday\*/

else if(user\_sub == 3)

{

for (j = 0; j < 50; j++)

{

for (i = 0; i < 10; i+=3)

{

if (i % 2 != 0 && i != 0)

printf("%0s", table[i][j]);

else

printf("%-16s", table[i][j]);

}

printf("\n");

}

stud\_repeat();

}

/\* Thursday\*/

else if(user\_sub == 4)

{

for (j = 0; j < 50; j++)

{

for (i = 0; i < 16; i+=8)

{

if (i % 2 != 0 && i != 0)

printf("%0s", table[i][j]);

else

printf("%-16s", table[i][j]);

}

printf("\n");

}

stud\_repeat();

}

/\* Friday\*/

else if(user\_sub == 5)

{

for (j = 0; j < 50; j++)

{

for (i = 0; i < 16; i+=10)

{

if (i % 2 != 0 && i != 0)

printf("%0s", table[i][j]);

else

printf("%-16s", table[i][j]);

}

printf("\n");

}

stud\_repeat();

}

/\* Saturday\*/

else if(user\_sub == 6)

{

for (j = 0; j < 50; j++)

{

for (i = 0; i < 16; i+=12)

{

if (i % 2 != 0 && i != 0)

printf("%0s", table[i][j]);

else

printf("%-16s", table[i][j]);

}

printf("\n");

}

stud\_repeat();

}

//WRONG USER INPUT//

else

{

daily\_view();

}

}

//function for asking student for another day in daily\_view() function

void stud\_repeat()

{

int user\_sub1;

printf("\nDo you want to continue with another day ?\n1. Yes\n2. No\n");

scanf("%d",&user\_sub1);

if(user\_sub1 == 1)

{

daily\_view();

}

else if(user\_sub1 == 2)

{

student();

}

else

{

printf("Sure you have selected the correct option...!");

printf("\n-----------------------------------------------------------------------------");

stud\_repeat();

}

}

void edit()

{

// table

char table[7][37][17]={

{ {" Time"},{" "},{" 1.) 7:45"},{" "},{" "},{" 2.) 8:35"},{" "},{" "},{" 3.) 9:25"},{" "},{" 4.) 10:15"},{" -"},{" 10:35"},{" "},{" 5.) 10:35"},{" "},{" "},{" 6.) 11:25"},{" "},{" "},{" 7.) 12:15"},{" "},{" "},{" 8.) 13:05"},{" "},{" 9.)"},{" "},{" "},{" 10.) SY"},{" 7:45-"},{" 10:15"},{" 11.) TY"},{" 10:35-"},{" 13:05"},{" 12.) FY"},{" 13:25-"},{" 15:55"} },

{ {" Monday (1) "},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS504-PR\_N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS304-PR\_N421"},{"RUSCS107-PJ\_N117"},{"-"},{"RUSCS304-PR\_N421"},{"RUSCS107-PV\_N117"},{"-"},{"RUSCS306-MA\_N117"},{"RUSCS101-PV\_N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" "},{" "},{"PR & RM"},{"RUSCSP304"},{" "},{"RM & KP"},{"RUSCSP505"},{" "},{" "},{" "},{" "} },

{ {" Tuesday (2)"},{"RUSCS504-PR\_N319"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS504-PR\_N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS304-PR\_N421"},{"RUSCS102-RM\_N117"},{"-"},{"RUSCS304-PR\_N421"},{"RUSCS102-RM\_N117"},{"-"},{"RUSCS302-PR\_N421"},{"RUSCS102-RM\_N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" P R"},{" "},{"KP & PV"},{"RUSCSP305"},{" "},{" "},{" "},{" "},{" "},{" "},{" "} },

{ {" Wednesday (3)"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{" "},{" R E C E S S "},{" "},{"RUSCS306-MA\_N421"},{"RUSCS101-PV\_N117"},{"-"},{"RUSCS306-MA\_N319"},{"RUSCS105-KP\_N117"},{"-"},{"RUSCS301-KP\_N421"},{"RUSCS103-PV\_N117"},{"-"},{"RUSCS301-KP\_N117"},{"-"},{"-"},{" "},{"A C T I C A L S"},{" "},{"MA & PV"},{"RUSCSP303"},{" "},{" "},{" "},{" "},{" "},{" "},{" "} },

{ {" Thursday (4)"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"-"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS303-PV\_N421"},{"RUSCS105-KP\_N117"},{"-"},{"RUSCS303-PV\_N421"},{"RUSCS105-KP\_N117"},{"-"},{"RUSCS302-PR\_N421"},{"RUSCS102-RM\_N117"},{"-"},{"-"},{"-"},{"-"},{" "},{" "},{" "},{"EJ & KP"},{"RUSCSP307"},{" "},{" "},{" "},{" "},{" "},{" "},{" "} },

{ {" Friday (5)"},{"-"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{"RUSCS501-MA\_N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS305-KP\_N421"},{"RUSCS107-PR\_N117"},{"-"},{"RUSCS305-KP\_N421"},{"RUSCS106-EJ\_N117"},{"-"},{"RUSCS302-PR\_N421"},{"RUSCS107-EJ\_N117"},{"-"},{"RUSCS105-KP\_LAB"},{"-"},{"-"},{" "},{" "},{" "},{"PR & RM"},{"RUSCSP302"},{" "},{" "},{" "},{" "},{" "},{" "},{" "} },

{ {" Saturday (6)"},{"-"},{"-"},{"-"},{"RUSCS503-MS\_N319"},{"-"},{"-"},{"RUSCS503-MS\_N319"},{"-"},{"-"},{" "},{" "},{" "},{"RUSCS301-KP\_N421"},{"RUSCS104-MS\_N117"},{"-"},{"RUSCS305-KP\_N421"},{"RUSCS104-MS\_N117"},{"-"},{"RUSCS306-MA\_N421"},{"RUSCS103-PV\_N117"},{"-"},{"RUSCS103-PV\_N117"},{"-"},{"-"},{" "},{" "},{" "},{"MA & MS"},{"RUSCSP306"},{"1:25PM-3:55"},{"EJ"},{"RUSCSP506"},{" "},{" "},{" "},{" "} },

};

// draw table

int i, j,k;

for(j=0;j<37;j++)

{

for(i=0;i<7;i++)

{

printf("%-17s",table[i][j]);

if(j==10 || j==11 || j==12 || j==25 || j==26 || j==27)

{

continue;

}

printf("|");

}

printf("\n");

if(j%3==0)

{

for ( i = 0; i <7; i++)

{

printf("==================");

}

printf("\n");

}

}

// ask user to edit

int day\_no,time\_no;

printf("\nEnter day and time\_no. to add eg(1 3): ");

scanf("%d%d",&day\_no,&time\_no);

for(i=(time\_no\*3)-2; i<((time\_no\*3)-2)+3 ;i++)

{

printf("%s \n",table[day\_no][i]);

}

char input[17];

printf("Enter data\n eg.(RUSCS104-MS\_N411): ");

scanf("%s",&input);

printf("\n%s",input);

}

IMPROVEMENTS:

1. Clash identifier

Logic:

* Start
* Entering the day and time the user want to edit.
* Taking the updated time table from the user.
* Using for loop comparing the strings in that position.
* If the strings are equal : Gvie the clash update else update the timetable.