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Project Title

**STUDENT GUIDE**

By

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Team Name

***RISING INNOVATORS***

Semester

4

**Under the guidance of**

**Dr B P Sharma**

## Introduction

“STUDENT GUIDE” is being created to help students to choose their ideal career on the basis of their interests, their previous performances and their abilities etc. So that they don't confuse what to do. The purpose of this project is to provide a platform to the students for the selection of their career in the easiest way.

### **Student can go for their counseling:**

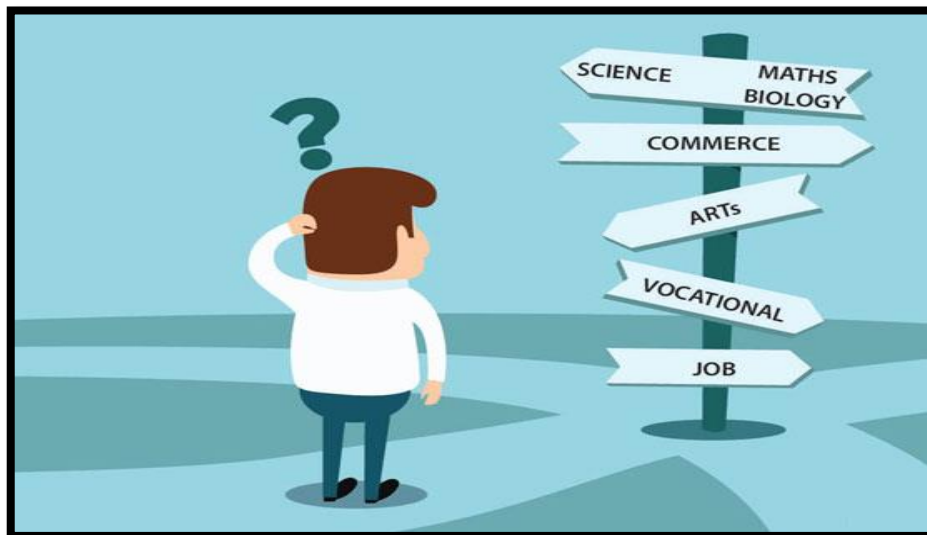
First, they have to choose their stream. Then, students will have to give their 12th marks as input. Then, some situational based questions are asked for the better analysis. On the basis of their data we'll create an algorithm and give them an output which will show them what are the career options suitable to them and which course they should opt and which exams they should prepare for.

### **Student can select courses:**

If a student chooses a course then we'll update the whole information about that course. Also, we'll provide them some details of various scholarships.

### **Student can select Exams:**

We'll give them information about various competitive exams in that field and provide them a reference for their preparation.



## Entities

Entities in our project are:

1. **Student (User)**
2. **Admin**
3. **Courses**
4. **Exams**



## Modules

**Career Counseling:** In this module, student can input their choices and finally got the output on the basis of them.

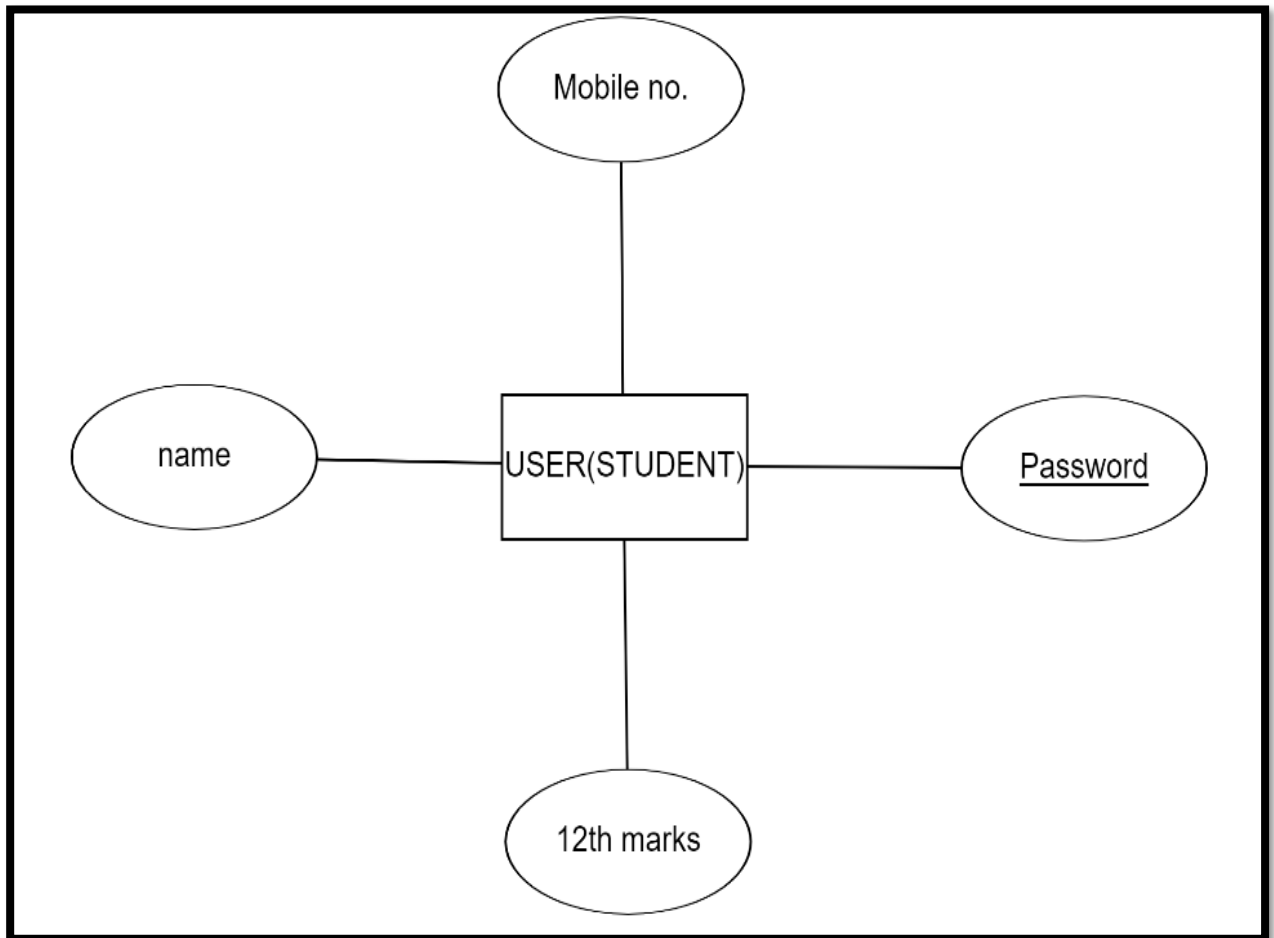
**Details of courses:** In this module, students can get the details of various courses in different fields and the top colleges for the particular course.

**Details of exams:** In this module, student can get the information about various entrance exams.

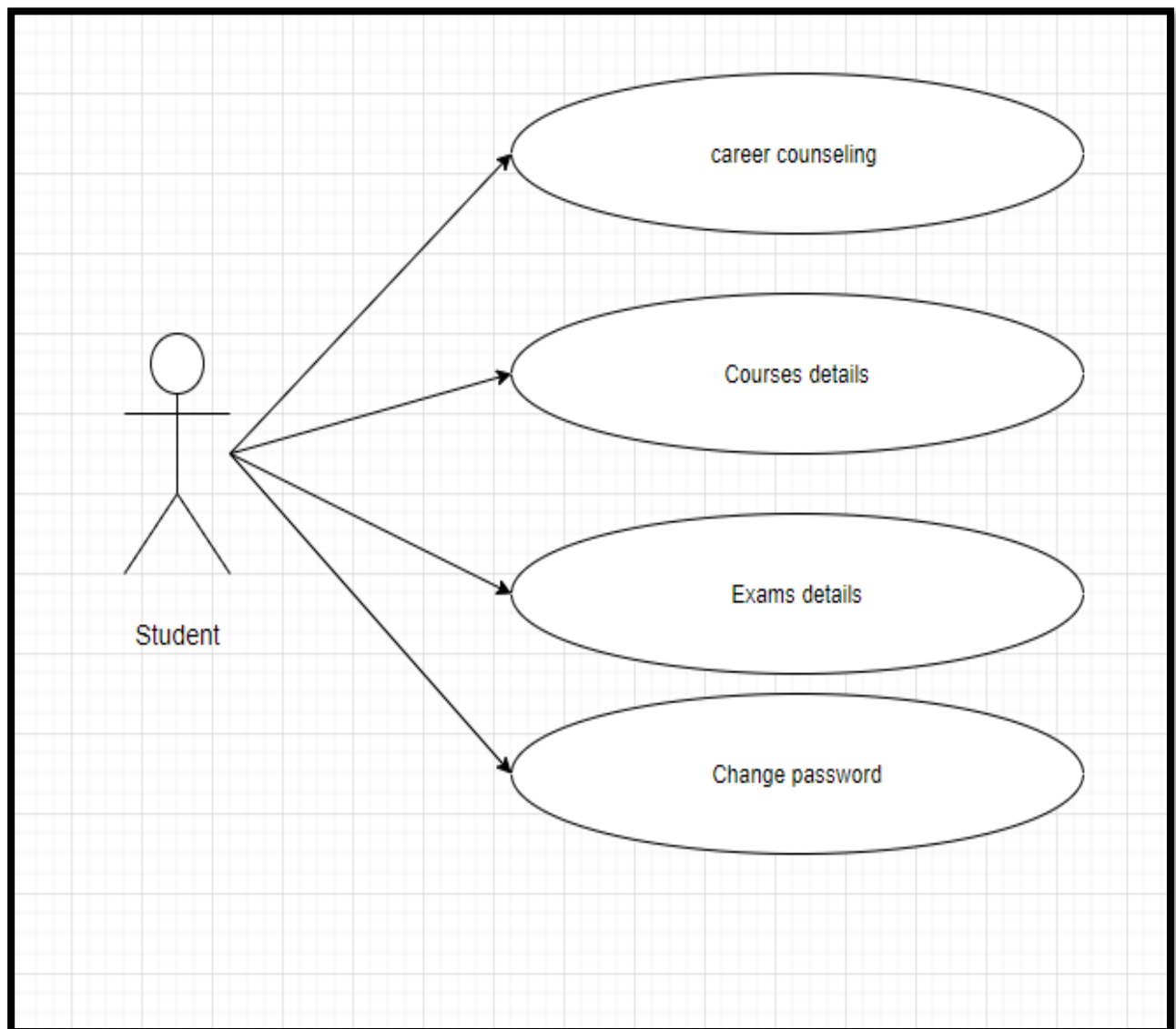
**Changing password:** Student can change his/her password .

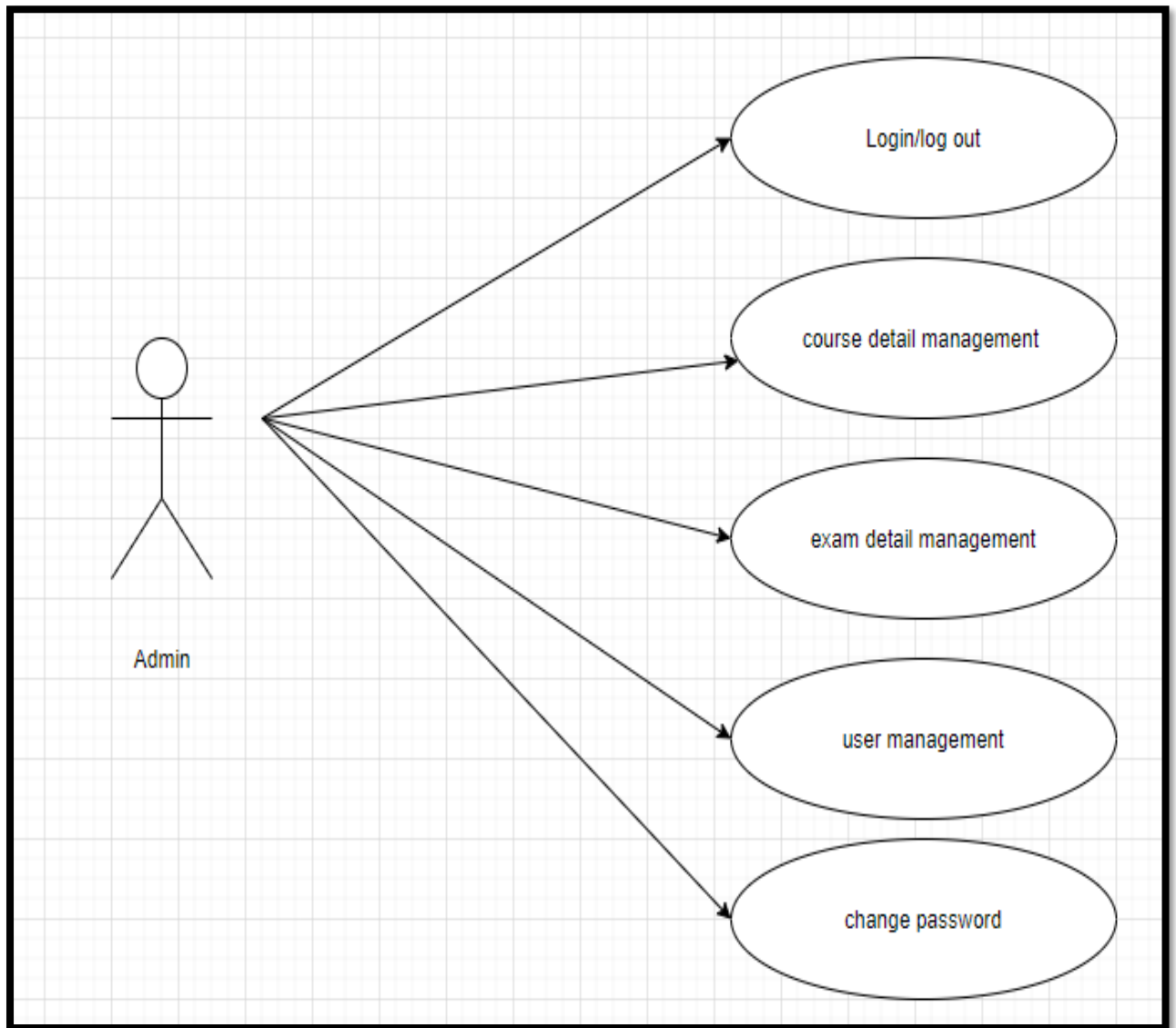


## ER-Diagrams



## Use Case Diagrams







## Screen Designs

1|Login screen

Welcome to student  
Guide

Are you a new user ?

Enter Your choice (Y/N)

Message will display here

1.1|If user is new

Name

User name

Mobile no

Password

Confirm Password

Press S to save /esc to quit

Message will display here

### 1.1|Existing user

user name

Password

Enter V for verify/ esc to quit

**Message will display here**

### 2 |Main Menu

1. Carrier Counseling
2. Courses
- 3.Exam
4. Change Password
5. Quit

**Enter the Number to proceed**

**Message will display here**

**2.1|counseling for 12th pass student**

**Select your Stream and enter accordingly**

1. PCM

2. PCB

3. Commerce

4. Arts /Humanities

Enter 1/2/3/4 to continue  
/r to return main menu

**Message will display here**

**2.1.1|counseling after 12<sup>th</sup> PCM**

**Enter Your Marks**

Maths

Physics

Chemistry

English

Hindi/Optional

Press 's' to save/'c' to continue

**Message will display here**

Sample Questions  
for pcm

*Your Goal to Discover Right career has begun.  
Questions below are the situations you face in your everyday  
life; please choose the option which appeals to you the most*

Q1. Do you really keen interested in knowing how the buildings are constructed?

1. yes

2 No

Q2. Suppose at your home, any of the home appliance get damaged,do you eager to fix it yourself?

1. yes

2 go to the mechanic

Q3. What do you think Earth looks beautiful from the land or from the space?

1. from land

2 from space

3. doesn't matter

Q4. During your chemistry lab class, a chemical explosion was happened.Do you really excited to know the reason behind it?

1. yes

2 doesn't matter

**SO ON.....**

Press n to go next

**OUTPUT:** If answer to first question is "yes" and all others are "no".

**CONGRATULATIONS!!**

- You are brilliant at Maths and you have good problem solving skills and can pursue your career as Mathematician, Statistician etc.
- According to your interests, you are selected for "CIVIL ENGINEERING". Now, go and know more about civil engineering.....

press "c" to get more details about civil engineering course/ "r" to return to main menu.....

### 2.1.2|counseling after 12<sup>th</sup> PCB

#### Enter Your Marks

Biology	<input type="text"/>
Physics	<input type="text"/>
Chemistry	<input type="text"/>
English	<input type="text"/>
Hindi/Optional	<input type="text"/>

Press 's' to Save /'c' to continue

**Message will display here**

Sample questions for pcb

#### ***YOUR GOAL TO DISCOVER YOUR MEDICAL CAREER***

*select the option which suits you best.*

Q1. Are you interested in study of plants, their structure, processes, growths, etc?

① yes

② No

Q2. Are you interested to read about microbes ?

① yes

② No

Q3. Are you interested in biological chemistry ?

① yes

② No

Q4. Are you interested in technology of living beings ?

① yes

② No

SO ON.....

Press n to go next

**2.1.3|counseling  
after12<sup>th</sup> Commerce**

**Enter Your Marks**

Accountancy

Business Studies

Economics

English

Optional

press 's' to save/'c' to continue

**Message will display here**

Sample questions for  
commerce

***Discover the ideal commerce career***

***In this exercise you need to imagine yourself in some real life situations as mentioned in questions below***

Q1. Are you comfortable to keep track of share prices on a daily basis and advise people to invest in buying shares or disinvest by selling shares accordingly?

① Yes

② No

Q2. Are you comfortable to work as a professional who prepares accounting records, processes taxes and reports to management regarding the expenses of the company.

① Yes

② No

Q3. Are you comfortable to work as a professional who uses Mathematical and statistical skills to make financial concepts easily understandable by common people?

① Yes

② No

**SO ON.....**

Press n to go next

## 2.1.4|counseling after12<sup>th</sup> Arts

### Enter Your Marks

History	<input type="text"/>
Geography	<input type="text"/>
Political Science	<input type="text"/>
English	<input type="text"/>
Optional	<input type="text"/>

Press 's' to save /'c' to continue

**Message will display here**

### Sample questions for humanities

*Your Goal to Discover Ideal Humanities Career reaches a new milestone.*

*This exercise is very interesting; you must imagine you are in a situation presented in the question. Try to relate your comfort level with the given situation and select the option which suits you best.*

1. Are you comfortable to cover any recent news, event, innovation or development and write or broadcast it to the world?

①

yes

②

No

2. Are you comfortable to work non-stop for long hours to reach up to the position where you can work on policies for betterment of country and society?

①

yes

②

No

3. Are you comfortable to manipulate with fonts, colors and textures, to design different landscapes and characters on computers and work for long hours with concentration?

①

yes

②

No

SO ON.....

press n to go next

sub menu

## 2.2 || courses ||

### **CHOOSE YOUR STREAM**

1.Engineering

2.Medical

3.Commerce

4.Humanities

Enter 1/2/3/4/r to return to  
main menu

Messages will be shown here

## 2.2.1 || Engineering courses

### **CHOOSE YOUR BRANCH**

1. Electronics & Communication Engineering(ECE)

2. Computer Science Engineering(CSE)

3. Mechanical Engineering(ME)

4. Chemical Engineering

5. Electrical Engineering

6. Civil Engineering

Enter 1/2/3/4/5/6/r to return main menu



sub menu

### 2.2.2|| Medical courses

1. MBBS

2. BDS

3. B.Pharma

4. BAMS

Enter 1/2/3/4/r to  
return main menu

Messages will be shown here

sub menu

### 2.2.3|| Commerce courses

1. B.Com

2. CMA

3. BBA

4. CA

Enter the choice 1/2/3/4/r to  
return to main menu

Messages will be shown here

sub menu

## 2.2.4|| Humanities courses

1. BA in Humanities &  
Social sciences

2. BA in arts

3. BFA

4. BDes

Enter the choice 1/2/3/4/r to  
return to main menu

Messages will be shown here

Output of 2.2|courses

Information about that course



Colleges



press 'R' to Return to main menu

sub menu

2.3||exams

## LET'S CRACK COMPETITIVE EXAMS

1. Engineering  
entrance exams

2. Medical entrance  
exams

3. Commerce  
entrance exams

4. Humanities  
entrance exams

Enter choice 1/2/3/4/r to  
return to main menu

Messages will be shown here

screen after selecting a particular  
exam category

various exams and their detail

press r to return/p for  
preparation detail

## Actual Screens

WELCOME TO THE STUDENT GUIDE
<p>Are you a new user! y</p> <p>ENTER y for yes and n for no</p>

NEW USER	
Name:	abc
Username:	abc
Mobile no.:	1234543235
Password:	****
Confirm password:	****
enter above password	

## User Authentication

User ID      abc  
Password    \*\*\*\*

## Main menu

- 1.Carrier Counseling
- 2.Courses
- 3.Exam
- 4.Change Password
- 5.Quit

Enter Your Choice 1/2/3/4/5:

>>>Carrier Counseling for 12th Pass Student<<<

Select Your Stream and enter accordingly

1.PCM

2.PCB

3.COMMERCE

4.ARTS & HUMANITIES

Return to main menu

Enter 1/2/3/4 to continue r to return main menu:

Please Enter Marks

Maths : 98

Physics : 98

Chemistry:98

English : 87.7

Optional :78.6

Student Marks Has Been submitted

Press any key to continue...

Are you a good problem solver?

1. YES

2. NO

ENTER 1/2

The difference between the value of the number increased by 20% and .  
the value of the number decreased by 25% is 36 What is the number?

1. 720

2. 80

3. 72

4.360

Please select option:

How good are your communication skill?

1. YES

2. NO

ENTER 1/2

Do you have a tendency to steer clear of certain subject areas,  
(e.g. money, household chores) in order to avoid conflict?

1. YES

2. NO

Please select option:

Do you really keen interested in knowing how the buildings are constructed?:

1.YES

2.NO

Enter [1/2]:

Suppose at your home any of the home appliance get damaged.

Do you eager to fix it yourself?

1.YES

2.go to mechanic

Enter [1/2]:

What do you think Earth looks beautiful from land or space?

1.land

2.space

Enter [1/2]:



During your chemistry lab class,a chemical explosion happened.

Do you know why?

1.YES

2.doesn't matter

Enter [1/2]:

>>Hey! we tried to conclude that according to your inputs<<

You are a brilliant student

You have to improve your problem solving skill

You have to improve your communication skill

You can choose civil Engineering

You can choose Electrical Engineering

You can choose Chemical Engineering

for more information about courses in engineering press [1] or  
press [2] for exams or r to return to main menu: -

>>>>>COURSES<<<<<<

\*Choose Your Stream\*

1.Engineering

2.Medical

3.Commerce

4.Arts & Humanities

Return to Main Menu

Enter Choice:1/2/3/4/r or R:

>>>>>ENGINEERING COURSES<<<<<<

\*Choose Your Branch\*

A.Electronics and Communication Engineering (ECE)

B.Computer Science Engineering (CSE)

C.Mecahanical Engineering

D.Chemical Engineering

E.Electrical Engineering

F.Civil Engineering

G.Return to Main Menu

Enter Choice:A/B/C/D/E/F/G:

>>>>> MEDICAL COURSES<<<<<<

\*Select Courses\*

1.MBBS

2.BDS

3.PHARMA

4.BAMS

Return to Main Menu

Enter Choice:1/2/3/4/ R or r to return main menu:

>>>>>COMMERCE COURSES<<<<<<

\*Select Courses\*

1.Bcom

2.CMA

3.BBA

4.CA

Return to Main Menu

Enter Choice:1/2/3/4/ R or r to return main menu:

>>>>>EXAMS<<<<<<

\*Choose Your Stream\*

1.Engineering Entrance Exam

2.Medical Entrance Exam

3.Commerce Entrance Exam

4.Arts & Humanities Entrance Exam

Return to Main Menu

Enter 1/2/3/4/r or R:

Enter username :      abc

new password :      \*\*\*

Password updated...

## Validation Rules

1|Login screen

Welcome to student  
Guide

Are you a new user ?

Enter Your choice (Y/N)

Message will display here

Rules for are you a new user

- Cannot be blank
- Fix length 1
- Enter only Y/N (small or capital)

1.1|Existing user

user name

Password

Enter V for verify/ esc to quit

Message will display here

### Rules for user name

- Cannot be blank
- Unique
- Minimum length 8
- Maximum length 20
- String should contain a number

### Rules for Password

- Cannot be blank
- Minimum length 6
- Maximum length 10
- Must contain a number, alphabet and special character
- Not contain space

1.1|If user is new

Name

User name

Mobile no

Password

Confirm Password

Press S to save /esc to quit

Message will display here

### Rules for user name

- Cannot be blank
- Unique
- Minimum length 8
- Maximum length 20
- String should contain a number

#### Rules for Mobile no

- Cannot be blank
- Fixed length 10

#### Rules for Password

- Cannot be blank
- Minimum length 6
- Maximum length 10
- Must contain a number, alphabet and special character
- Not contain space

#### Rules for Confirm password

- Cannot be blank
- Minimum length 6
- Maximum length 10
- Must contain a number, alphabet and special character
- Not contain space
- Confirm password should be equal to password

**2 |Main Menu**

1. Carrier Counseling
2. Courses
- 3.Exam
4. Change Password
5. Quit

**Enter the Number to proceed**

**Message will display here**

- Enter only 1 2 3 4 5

2.1|counseling for 12th pass student

Select your Stream and enter accordingly

1. PCM

2. PCB

3. Commerce

4. Arts /Humanities

Enter 1/2/3/4 to continue  
/r to return main menu

Message will display here

- Enter only 1 2 3 4

2.1.1|counseling after12<sup>th</sup> PCM

Enter Your Marks

Maths

Physics

Chemistry

English

Hindi/Optional

Press 's' to save/'c' to continue

Message will display here

Rules for marks

- Greater than or equal to 0
- Less than equal 100



- Must be an integer or floating value

Sample Questions  
for pcm

***Your Goal to Discover Right career has begun.  
Questions below are the situations you face in your everyday  
life; please choose the option which appeals to you the most***

Q1. Do you really keen interested in knowing how the buildings are constructed?

(1.) yes                      (2.) No

Q2. Suppose at your home, any of the home appliance get damaged,do you eager to fix it yourself?

(1.) yes                      (2.) go to the mechanic

Q3. What do you think Earth looks beautiful from the land or from the space?

(1.) from land    (2.) from space    (3.) doesn't matter

Q4. During your chemistry lab class, a chemical explosion was happened.Do you really excited to know the reason behind it?

(1.) yes                      (2.) doesn't matter

**SO ON.....**

Press n to go next

- Enter 1 2 (3 when third option given)

2.1.2|counseling after12<sup>th</sup> PCB

**Enter Your Marks**

Biology	<input style="width: 95%;" type="text"/>
Physics	<input style="width: 95%;" type="text"/>
Chemistry	<input style="width: 95%;" type="text"/>
English	<input style="width: 95%;" type="text"/>
Hindi/Optional	<input style="width: 95%;" type="text"/>

Press 's' to Save /'c' to continue

**Message will display here**

## Rules for marks

- Greater than or equal to 0
- Less than equal 100
- Must be an integer or floating value

Sample questions for pcb

YOUR GOAL TO DISCOVER YOUR MEDICAL CAREER

select the option which suits you best.

Q1. Are you interested in study of plants, their structure, processes, growths, etc?

(1) yes
(2) No

Q2. Are you interested to read about microbes ?

(1) yes
(2) No

Q3. Are you interested in biological chemistry ?

(1) yes
(2) No

Q4. Are you interested in technology of living beings ?

(1) yes
(2) No

SO ON.....

Press n to go next

- Enter 1 2

Sample questions for commerce

**Discover the ideal commerce career**

*In this exercise you need to imagine yourself in some real life situations as mentioned in questions below*

Q1. Are you comfortable to keep track of share prices on a daily basis and advise people to invest in buying shares or disinvest by selling shares accordingly?

① Yes
② No

Q2. Are you comfortable to work as a professional who prepares accounting records, processes taxes and reports to management regarding the expenses of the company.

① Yes
② No

Q3. Are you comfortable to work as a professional who uses Mathematical and statistical skills to make financial concepts easily understandable by common people?

① Yes
② No

SO ON.....

Press n to go next

➤ Enter 1 2

2.1.4|counseling after 12<sup>th</sup> Arts

**Enter Your Marks**

History	<input style="width: 95%;" type="text"/>
Geography	<input style="width: 95%;" type="text"/>
Political Science	<input style="width: 95%;" type="text"/>
English	<input style="width: 95%;" type="text"/>
Optional	<input style="width: 95%;" type="text"/>

Press 's' to save /'c' to continue

**Message will display here**

Rules for marks

- Greater than or equal to 0
- Less than equal 100
- Must be an integer or floating value

Sample questions  
for humanities

*Your Goal to Discover Ideal Humanities Career reaches a new milestone.*

*This exercise is very interesting; you must imagine you are in a situation presented in the question. Try to relate your comfort level with the given situation and select the option which suits you best.*

1. Are you comfortable to cover any recent news, event, innovation or development and write or broadcast it to the world?

① yes
② No

2. Are you comfortable to work non-stop for long hours to reach up to the position where you can work on policies for betterment of country and society?

① yes
② No

3. Are you comfortable to manipulate with fonts, colors and textures, to design different landscapes and characters on computers and work for long hours with concentration?

① yes
② No

SO ON.....  
 press n to go next

➤ Enter 1 2

**2.1.3|counseling  
after12<sup>th</sup> Commerce**

**Enter Your Marks**

Accountancy	
Business Studies	
Economics	
English	
Optional	

press 's' to save/'c' to continue  
**Message will display here**

### Rules for marks

- Greater than or equal to 0
- Less than equal 100
- Must be an integer or floating value

sub menu

2.2 || courses ||

**CHOOSE YOUR STREAM**

1.Engineering

2.Medical

3.Commerce

4.Humanities

Enter 1/2/3/4/r to return to main menu

Messages will be shown here

- Enter 1 2 3 4 or R (small or capital)

### 2.2.1 || Engineering courses

#### **CHOOSE YOUR BRANCH**

1. Electronics & Communication Engineering(ECE)

2. Computer Science Engineering(CSE)

3. Mechanical Engineering(ME)

4. Chemical Engineering

5. Electrical Engineering

6. Civil Engineering

Enter 1/2/3/4/5/6/r to return main menu

➤ Enter 1 2 3 4 5 6 or R (small or capital)

sub menu

### 2.2.2|| Medical courses

1. MBBS

2. BDS

3. B.Pharma

4. BAMS

Enter 1/2/3/4/r to  
return main menu

Messages will be shown here

- Enter 1 2 3 4 or R (small or capital)

sub menu

2.2.3|| Commerce courses

1. B.Com

2. CMA

3. BBA

4. CA

Enter the choice 1/2/3/4/r to return to main menu

Messages will be shown here

- Enter 1/2/3/4/r or R(capital or small)

sub menu

2.2.4|| Humanities courses

1. BA in Humanities & Social sciences

2. BA in arts

3. BFA

4. BDes

Enter the choice 1/2/3/4/r to return to main menu

Messages will be shown here

- Enter 1 2 3 4 or R (small or capital)

Output of 2.2|courses

Information about that course

Colleges

press 'R' to Return to main menu

- Enter R (small or capital)

sub menu

2.3||exams

**LET'S CRACK COMPETITIVE EXAMS**

1. Engineering entrance exams

2. Medical entrance exams

3. Commerce entrance exams

4. Humanities entrance exams

Enter choice 1/2/3/4/r to return to main menu

Messages will be shown here



- Enter 1 2 3 4 or R (small or capital)

screen after selecting a particular exam category

various exams and their detail

press r to return/p for preparation detail

## Program Code

//studentguide.c (Editor used Dev C++)

```
#include <stdio.h>
#include "adt.h"
#include <conio.h>
#define go(r,c) gotoxy(c,r)
#include <windows.h>
void clreol(int n){
int i;
for(i=1;i<=n;i++)
putchar(' ');
for(i=1;i<=n;i++)
putchar('\b');
}
void screen1();
void screen1_2();
void screen1_1();
void screen2();
void screen2_1();
void screen2_2();
void screen2_3();
void changepassword();
void screen2_1_1();
void screen2_1_2();
void screen2_1_3();
void screen2_1_4();
void screen2_2_1();
void screen2_2_2();
void screen2_2_3();
void screen2_2_4();
void screen2_1_1_1();
void screen2_2_1_1();
void screen2_2_1_2();
void screen2_2_1_3();
void screen2_2_1_4();
void screen2_2_2_1();
void screen2_2_2_2();
void screen2_2_2_3();
void screen2_2_2_4();
void screen2_2_3_1();
void screen2_2_3_2();
void screen2_2_3_3();
```

```

void screen2_2_3_4();
void screen2_2_4_1();
void screen2_2_4_2();
void screen2_2_4_3();
void screen2_2_4_4();
int screen_border(char title[])

{
//intializations
clrscr();
int i;
//exceptions
if(strlen(title) > 75) return 1;
//corners
gotoxy(1, 1);printf("%c", 201);
gotoxy(79, 1);printf("%c", 187);
gotoxy(1, 25);printf("%c", 200);
gotoxy(79, 25);printf("%c", 188);
//vertical lines
for (i = 1 + 1; i < 79; i++)
{
gotoxy(i, 1);printf("%c", 205);
gotoxy(i, 25);printf("%c", 205);

}

//horizontal lines

for (i = 1 + 1; i < 25; i++)

{

gotoxy(1, i);printf("%c", 186);

gotoxy(79, i);printf("%c", 186);

}

//printing title

gotoxy((79/2)-(strlen(title)/2),4);

printf("%s",title);

//making divider

```

```

gotoxy(1,6);

printf("%c",204);

for(i = 2 ; i < 79 ; i++) printf("%c",205);

printf("%c",185);

return 0;

}

struct Student
{
float
maths,physics,chemistry,english,optional,biology,accountacy,bstd,economics,history,geography,
political;
float per;
char *pcmgrade,*cmgrade,*pcbgrade,*ahgrade,*apt,*com, *civil,*en,*ec,*cs,*me,*che;

}p;

typedef struct{char name[20],username[20],password[11],confirm[11],mobile[11];}user;
user u;
FILE *fp;
void screen1()
{ ClearConsoleToColors(17,15);
char ch,y,n;

system("cls");
go(10,20);screen_border("WELCOME TO THE STUDENT GUIDE");
go(15,18);printf("Are you a new user!");
go(20,22);printf("ENTER y for yes and n for no");
for(;;){ fflush(stdin);
go(15,38);ch=getchar();
switch(ch){
case 'y': case 'Y': screen1_1();break;
case 'n': case 'N': screen1_2();break;

default: go(23,20);printf("INVALID INPUT");sleep(2);
go(23,20);clreol(15);go(15,38);clreol(8);

}
}
}

int main(){

```

```
screen1();  
return 0;  
}
```

```
void screen1_2(){ClearConsoleToColors(17,15);  
char userid[51],password[51],ch;int found=0;  
int i=0;  
clrscr();  
go(5,20); screen_border("User Authentication");  
go(8,20);printf("User ID");  
go(10,20);printf("Password");fflush(stdin);  
go(8,32);gets(userid);  
go(10,32);  
while(i<50){  
ch=getch();  
if(ch==13) break;  
else if(ch==8){  
if(i>0){  
int n;  
i--;  
go(10,32);clreol(50);  
go(10,32);  
for(n=0;n<i;n++) putchar('*');  
}  
}  
else{  
password[i]=ch;  
putchar('*');  
i++;  
}  
}  
password[i]='\0';  
fp=fopen("newuser.dat","rb+");  
rewind(fp);  
while(fread(&u,sizeof(u),1,fp))  
{  
if(strcmp(userid,u.username)==0 && strcmp(password,u.password)==0)  
{  
found=1;  
break;  
}  
}  
if(found){  
go(15,20);    printf("Record found ");sleep(2);fclose(fp);  
screen2();
```

```
}
```

```
else
```

```
{
```

```
go(15,20);printf("Sorry Invalid authentication");
```

```
sleep(2);fclose(fp);exit(0);
```

```
}
```

```
}
```

```
void screen1_1()
```

```
{ ClearConsoleToColors(17,15);
```

```
char ch;
```

```
int i=0;
```

```
fp=fopen("newuser.dat","rb+");
```

```
if(fp==NULL)fp=fopen("newuser.dat","wb+");
```

```
system("cls");
```

```
go(10,30);//textcolor(YELLOW);
```

```
screen_border("NEW USER");
```

```
go(12,15);printf("Name:");go(12,35);//colorbox(20);
```

```
go(14,15);printf("Username:");go(14,35);//colorbox(20);
```

```
go(16,15);printf("Mobile no.:");go(16,35);//colorbox(20);
```

```
go(18,15);printf("Password:");go(18,35);//colorbox(20);
```

```
go(20,15);printf("Confirm password:");go(20,35);//colorbox(20);
```

```
go(22,35);//textcolor(YELLOW);
```

```
printf("PLEASE ENTER YOUR NAME");fflush(stdin);
```

```
go(12,35);//textcolor(YELLOW);
```

```
gets(u.name);
```

```
go(22,35);clreol(20);
```

```
printf("ENTER YOUR USERNAME");
```

```
go(14,35);gets(u.username);//textcolor(YELLOW);
```

```
go(22,35);clreol(25);
```

```
printf("ENTER YOUR MOBILE NO.");
```

```
for(;;){ go(16,35); clreol(10);
```

```
gets(u.mobile);//textcolor(YELLOW);
```

```
if(strlen(u.mobile)!=10){ go(22,35);clreol(20);
```

```
printf("enter 10 digit mobile no.");
```

```
continue;}
```

```
else{break;}}
```

```
go(22,35);clreol(25);
```

```
printf("ENTER YOUR PASSWORD");
```

```
go(18,35); fflush(stdin);
```

```
while(i<50){
```

```
ch=getch();
```

```

if(ch==13) break;
if(ch==8){
if(i>0){
int n;
i--;
go(18,35);clreol(10);
go(18,35);
for(n=0;n<i;n++) putchar('*');
}
}
else{
u.password[i]=ch;
putchar('*');
i++;
}
}
u.password[i]='\0';

//textcolor(YELLOW);
go(22,35);clreol(20);
printf("RE-ENTER YOUR PASSWORD");
//textcolor(YELLOW);

```

```

do{
go(22,35);clreol(22);
printf("enter above password");
i=0;
go(20,35);clreol(11);
while(i<50)
{
ch=getch();
if(ch==13) break;
if(ch==8){
if(i>0){
int n;
i--;
go(20,35);clreol(11);
go(20,35);
for(n=0;n<i;n++) putchar('*');
}
}
else{
u.confirm[i]=ch;
putchar('*');
i++;
}
}

```

```

}

u.confirm[i]='\0';
}
while(strcmp(u.password,u.confirm)!=0);

```

```

fseek(fp,0,SEEK_END);
fwrite(&u,sizeof(u),1,fp);
fclose(fp);
printf("\nrecord added\n");
system("pause");fclose(fp);screen2();
}

```

```

void screen2(){
char choice;

clrscr();
ClearConsoleToColors(17,15);
go(6,25);screen_border("Main menu");
go(8,20);printf("1.Carrier Counseling");
go(10,20);printf("2.Courses");
go(12,20);printf("3.Exam");
go(14,20);printf("4.Change Password");
go(16,20);printf("5.Quit");
go(19,20);printf("Enter Your Choice 1/2/3/4/5:");
for(;;){
fflush(stdin);
go(19,54);choice=getchar();
switch(choice){
case '1':
screen2_1();break;
case '2':
screen2_2();break;
case '3':
screen2_3();break;
case '4':
changepassword();break;

case '5':
exit(0);break;
default :
go(22,20);printf("please give right input");

```



```
sleep(2);go(22,20);clreol(47);go(19,54);clreol(5);
```

```
}  
}  
}
```

```
void screen2_1(){  
char choice;
```

```
clrscr();  
go(5,22);screen_border(">>>Carrier Counseling for 12th Pass Student<<<");  
go(9,21);printf("Select Your Stream and enter accordingly");  
go(12,20);printf("1.PCM");  
go(14,20);printf("2.PCB");  
go(16,20);printf("3.COMMERCE");  
go(18,20);printf("4.ARTS & HUMANITIES");  
go(20,20);printf("Return to main menu");  
go(22,20);printf("Enter 1/2/3/4 to continue r to return main menu:");  
for(;;){  
fflush(stdin);  
go(22,68);choice=getchar();  
switch(choice){  
case '1':  
screen2_1_1();  
break;  
case '2':  
screen2_1_2();  
break;  
case '3':  
screen2_1_3();  
break;  
case '4':  
screen2_1_4();  
break;  
case 'r':  
screen2();break;  
default:  
go(24,22);printf("please give right input:");  
sleep(2);go(24,22);clreol(27);  
go(22,68);clreol(5);  
}  
}  
}  
void screen2_2(){
```

```

char choice;

clrscr();
go(5,22);screen_border(">>>>>COURSES<<<<<<");
go(7,22);printf("*Choose Your Stream*");
go(10,20);printf("1.Engineering");
go(12,20);printf("2.Medical");
go(14,20);printf("3.Commerce");
go(16,20);printf("4.Arts & Humanities ");
go(18,20);printf("Return to Main Menu");
go(22,20);printf("Enter Choice:1/2/3/4/r or R:");
for(;;){
fflush(stdin);
go(22,48);choice=getchar();
switch(choice){
case '1':
screen2_2_1();
break;
case '2':
screen2_2_2();
break;
case '3':
screen2_2_3();
break;
case '4':
screen2_2_4();
break;
case 'r': case 'R':
screen2();break;
default:
go(24,22);printf("invalid input");
sleep(2);go(24,22);clrcol(15);
go(22,48);clrcol(5);
}
}
}
void screen2_3(){
char choice;

clrscr();
go(5,22);screen_border(">>>>>EXAMS<<<<<<");
go(7,22);printf("*Choose Your Stream*");
go(10,20);printf("1.Engineering Entrance Exam");
go(12,20);printf("2.Medical Entrance Exam");
go(14,20);printf("3.Commerce Entrance Exam");
go(16,20);printf("4.Arts & Humanities Entrance Exam");

```

```

go(18,20);printf("Return to Main Menu");
go(22,20);printf("Enter 1/2/3/4/r or R:");
for(;;){
fflush(stdin);
go(22,58);choice=getchar();
switch(choice){
case '1':
screen2_3_1();system("pause");screen2_3();
break;
case '2':
screen2_3_2();system("pause");screen2_3();
break;
case '3':
screen2_3_3();system("pause");screen2_3();
break;
case '4':
screen2_3_4();system("pause");screen2_3();
break;
case 'r': case 'R':
screen2();break;
default:
go(24,22);printf("invalid input");sleep(2);go(24,22);clrerr(15);
go(22,58);clrerr(5);

}
}
}

```

```

void screen2_3_1(){
FILE *fp=fopen("Engineering Entrance Exam.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}

```

```

void screen2_3_2(){

```

```

FILE *fp=fopen("Medical Entrance Exam.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}

void screen2_3_3(){
FILE *fp=fopen("Commerce Entrance Exam.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}

void screen2_3_4(){
FILE *fp=fopen("Arts & Humanities Entrance Exam.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}

void screen2_2_1_1(){
FILE *fp=fopen("Electronics & Communication Engineering.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
}

```

```

fclose(fp);
getch();

}
void screen2_2_1_2(){
FILE *fp=fopen("Computer science Engineering.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_1_3(){
FILE *fp=fopen("Mechanical Engineering.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_1_4(){
FILE *fp=fopen("Chemical Engineering.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_1_5(){
FILE *fp=fopen("Electrical Engineering.txt","r");
char ch;

```

```

clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}

void screen2_2_1_6(){
FILE *fp=fopen("Civil Engineering.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}

void screen2_2_2_1(){
FILE *fp=fopen("MBBS.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}

void screen2_2_2_2(){
FILE *fp=fopen("BDS.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);

```

```

getch();

}
void screen2_2_2_3(){
FILE *fp=fopen("B-Pharm.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_2_4(){
FILE *fp=fopen("BAMS.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_3_1(){
FILE *fp=fopen("B.com.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_3_2(){
FILE *fp=fopen("CMA.txt","r");
char ch;
clrscr();

```

```

ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();

}
void screen2_2_3_3(){
FILE *fp=fopen("BBA.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}
void screen2_2_3_4(){
FILE *fp=fopen("CA.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}
void screen2_2_4_1(){
FILE *fp=fopen("Humanities & Social Sciences.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}
void screen2_2_4_2(){

```



```

FILE *fp=fopen("BA.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}

void screen2_2_4_3(){
FILE *fp=fopen("BFA","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}

void screen2_2_4_4(){
FILE *fp=fopen("B Des.txt","r");
char ch;
clrscr();
ch=fgetc(fp);
while(ch!=EOF){
printf("%c",ch);
ch=fgetc(fp);
}
fclose(fp);
getch();
}

```

```

int validmarks(float n){if(!(n>=1&& n<100))
return 0;
}

void screen2_1_1(){
clrscr();
go(5,22);printf("Please Enter Marks");
for(;;){
go(8,22);clreol(50);printf("Maths : ");
go(8,32);scanf("%f",&p.maths);if(validmarks(p.maths)){break;

```

```

}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(10,22);clreol(50);printf("Physics : ");
go(10,32);scanf("%f",&p.physics);if(validmarks(p.physics)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(12,22);clreol(50);printf("Chemistry:");
go(12,32);scanf("%f",&p.chemistry);if(validmarks(p.chemistry)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(14,22);clreol(50);printf("English : ");
go(14,32);scanf("%f",&p.english);if(validmarks(p.english)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(16,22);clreol(50);printf("Optional : ");
go(16,32);scanf("%f",&p.optional);if(validmarks(p.optional)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
p.per=(p.maths+p.physics+p.chemistry+p.english+p.optional)/5.0;
if(p.per>=80)
p.pcmgrade="You are a brilliant student";
else if(p.per>=60 && p.per<80)
p.pcmgrade="You are a good student";
else if(p.per>=33 && p.per<60)
p.pcmgrade="you are an average student";
else
p.pcmgrade="You are too weak in studies";
go(17,16);printf("Student Marks Has Been submitted ");
go(20,16);printf("Press any key to continue...");
go(20,58);getch();
go(24,20);printf("loading...");
sleep(2);
screen2_1_1_q1();

```

```

}
void screen2_1_1_q1(){
clrscr();
go(5,22); screen_border(">>Hey there! Your goal to discover right career has begun<<");
go(8,22);printf("Please wait...");
sleep(3);

clrscr();
go(8,20); printf("Are you a good problem solver?");

go(10,22);printf("1. YES");
go(12,22);printf("2. NO");
go(14,22);printf("ENTER 1/2");
for (;;)
{ fflush(stdin);
go(14,35);
char ch=getchar();
switch (ch)
{
case '1':

go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_q2();break;

case '2':
p.apt="YOU DON'T HAVE PROBLEM SOLVING SKILLS...PLEASE DO DEVELOP IT";
go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_q3();
break;
default:
go(22,22); printf("please Enter right input:[1/2]");
sleep(2);go(22,22);clreol(35);
go(14,35);
clreol(5);
}

}

}

void screen2_1_1_q2(){

clrscr();
go(8,20); printf("The difference between the value of the number increased by 20%% and .");

```

```

go(10,20);printf("the value of the number decreased by 25%% is 36 What is the number?");
go(12,20);printf("1. 720");
go(14,20);printf("2. 80");
go(16,20);printf("3. 72");
go(18,20);printf("4.360");
go(20,20);printf("Please select option:");
for(;;){
fflush(stdin);
go(20,45);
char choice=getchar();
switch(choice){
case '2':
p.apt="You are a good problem solver";
go(22,22);printf("press Enter to continue");
go(22,50);getch();
screen2_1_1_q3();break;

case '1': case '3' : case '4':

p.apt="You have to improve your problem solving skill";
go(22,22);printf(" Enter to continue");
go(22,50);getch();
screen2_1_1_q3();break;

default:
go(22,22);printf("give right input");
sleep(2);go(22,22);clrerr(18);go(20,45);clrerr(5);

}
}
}
void screen2_1_1_q3(){

clrscr();
go(8,20); printf("How good are your communication skill?");

go(10,22);printf("1. YES");
go(12,22);printf("2. NO");
go(14,22);printf("ENTER 1/2");
for (;;)
{ fflush(stdin);
go(14,35);

char cn=getchar();
switch (cn)

```

```

{

case '1':

screen2_1_1_q4();
break;


case '2':
p.com="YOU DON'T HAVE GOOD COMMUNICATION SKILLS...PLEASE DO DEVELOP
IT";
screen2_1_1_q5();
break;


default:
go(22,22); printf("please Enter right input:[1/2]");
sleep(2);go(22,22);clreol(35);go(14,35);clreol(5);

}

}

}

void screen2_1_1_q4(){
clrscr();

go(10,20); printf("Do you have a tendency to steer clear of certain subject areas, ");
go(12,20);printf(" (e.g. money, household chores) in order to avoid conflict?");

go(14,20);printf("1. YES");
go(16,20);printf("2. NO");
go(20,20);printf("Please select option:");
for(;;){ fflush(stdin);
go(20,45);
char choice=getchar();
switch (choice)
{
case '1':

p.com="You are good in communication";
go(22,22);printf("press any to continue");
go(22,40);getch();
go(20,45);
screen2_1_1_q5();break;

```

case '2':

```
p.com="You have to improve your communication skill";
go(22,22);printf(" press any key to continue:");
go(22,40);getch();
screen2_1_1_q5();break;
```

default:

```
go(22,22);printf("give right input:");
sleep(2);go(22,22);clrcol(18);go(20,45);clrcol(5);
}
}
}
```

```
void screen2_1_1_q5(){
clrscr();
go(5,18);screen_border("Questions below are the situations you face in your everyday life:");
sleep(4);
go(7,18);screen_border("<<Please choose the option which appeals to you the most>>");
go(9,20);printf("***BEST OF LUCK***");
go(11,20);printf("Lets Continue:");
go(11,35);getch();
int i;
```

```
for(i=1;i<=4;i++)
{
clrscr();
int r1=i;
switch(r1)
{
case 1:
for(;;){
clrscr();
go(5,18);printf("Do you really keen interested in knowing how the buildings are constructed?:");
go(8,22);printf("1.YES");
go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.civil="You can choose civil Engineering";
break;
}
else if ((getch())=='2')
{
p.civil=" ";
break;
```

```

}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}

}

case 2:
for(;;){
clrscr();
go(4,15);printf("Suppose at your home any of the home appliance get damaged.");
go(6,15);printf("Do you eager to fix it yourself?");
go(8,22);printf("1.YES");
go(10,22);printf("2.go to mechanic");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.en="You can choose Electrical Engineering";
break;
}
else if ((getch())=='2')
{
p.en=" ";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}

case 3:
for(;;){
clrscr();
go(5,15);printf("What do you think Earth looks beautiful from land or space?");
go(8,22);printf("1.land");
go(10,22);printf("2.space");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.ec="";

```

```

break;

}
else if ((getch())=='2')
{
p.ec="You can choose Electronic and Communication Engineering ";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
case 4:
for(;;){
clrscr();
go(4,18);printf("During your chemistry lab class,a chemical explosion happened.");
go(6,18);printf("Do you know why?");
go(8,22);printf("1.YES");
go(10,22);printf("2.doesn't matter");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.che="You can choose Chemical Engineering";
break;
}
else if ((getch())=='2')
{
p.che=" ";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
default:

clrscr();
go(5,22);screen_border("***Thank You for using our platform***");

```



```

go(8,22);printf("Press any key to continue:");
go(8,50);
getch();
output1();
}
}
}

void screen2_1_2(){
clrscr();fflush(stdin);
go(5,28);printf("Please Enter Marks ");
for(;;){
go(8,22);clreol(50);printf("Biology : ");
go(8,32);scanf("%f",&p.biology);if(validmarks(p.biology)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(10,22);clreol(50);printf("Physics : ");
go(10,32);scanf("%f",&p.physics);if(validmarks(p.physics)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(12,22);clreol(50);printf("Chemistry:");
go(12,32);scanf("%f",&p.chemistry);if(validmarks(p.chemistry)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(14,22);clreol(50);printf("English : ");
go(14,32);scanf("%f",&p.english);if(validmarks(p.english)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(16,22);clreol(50);printf("Optional : ");
go(16,32);scanf("%f",&p.optional);if(validmarks(p.optional)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
p.per=(p.biology+p.physics+p.chemistry+p.english+p.optional)/5.0;

```

```

if(p.per>=80)
p.pcbgrade="You are a brilliant student";
else if(p.per>=60 && p.per<80)
p.pcbgrade="You are a good student";
else if(p.per>=33 && p.per<60)
p.pcbgrade="you are an average student";
else
p.pcbgrade="You are too weak in studies";
go(17,16);printf("Student Marks Has Been Submitted ");
go(20,16);printf("Press any key to continue...");
getch();
sleep(3);
screen2_1_1_b1();

}
void screen2_1_1_b1(){
clrscr();
go(5,22); screen_border(">>Hey there! Your goal to discover right career has begun<<");
go(8,22);printf("Please wait...");
sleep(3);

clrscr();
go(8,20); printf("Are you a good problem solver?");

go(10,22);printf("1. YES");
go(12,22);printf("2. NO");
go(14,22);printf("ENTER 1/2");
for (;;)
{fflush(stdin);
go(14,35);
char ch=getchar();
switch (ch)
{
case '1':

go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_b2();break;

case '2':
p.apr="YOU DON'T HAVE PROBLEM SOLVING SKILLS...PLEASE DO DEVELOP IT";
go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_b3();
break;
default:

```

```
go(22,22); printf("please Enter right input:[1/2]");
sleep(1);go(22,22);clreol(38);
go(14,35);clreol(5);
```

```
}
}
}
```

```
void screen2_1_1_b2(){
```

```
clrscr();
go(8,20); printf("The difference between the value of the number increased by 20%% and .");
go(10,20);printf("the value of the number decreased by 25%% is 36 What is the number?");
go(12,20);printf("1. 720");
go(14,20);printf("2. 80");
go(16,20);printf("3. 72");
go(18,20);printf("4.360");
go(20,20);printf("Please select option:");
for(;;){
fflush(stdin);
go(20,45);
char choice=getchar();
switch(choice){
case '2':
p.apr="You are a good problem solver";
go(22,22);printf("press Enter to continue");
go(22,50);getch();
screen2_1_1_b3();break;
```

```
case '1': case '3' : case '4':
```

```
p.apr="You have to improve your problem solving skill";
go(22,22);printf(" Enter to continue");
go(22,50);getch();
screen2_1_1_b3();break;
```

```
default:
go(22,22);printf("give right input");
sleep(2);go(22,22);clreol(17);go(20,45);clreol(5);
```

```
}
}
}
```

```
void screen2_1_1_b3(){
```

```
clrscr();
```

```

go(8,20); printf("Are you good in communication skills?");
go(10,22);printf("1. YES");
go(12,22);printf("2. NO");
go(14,22);printf("ENTER 1/2");
for (;;)
{ fflush(stdin);
go(14,35);

char cn=getchar();
switch (cn)
{

case '1':
screen2_1_1_b4();
break;

case '2':
p.com="YOU DON'T HAVE GOOD COMMUNICATION SKILLS...PLEASE DO DEVELOP
IT";
screen2_1_1_b4();
break;

default:
go(22,22); printf("please Enter right input:[1/2]");
sleep(2);go(22,22);clrcol(35);go(14,35);clrcol(5);

}

}

}
void screen2_1_1_b4(){
clrscr();

go(10,20); printf(" Do you have a tendency to steer clear of certain subject areas, ");
go(12,20);printf(" (e.g. money, household chores) in order to avoid conflict?");

go(14,20);printf("1. YES");
go(16,20);printf("2. NO");
go(20,20);printf("Please select option:");
for(;;){ fflush(stdin);
go(20,45);
char choice=getchar();
switch (choice)
{

```

```
case '1':
```

```
p.com="You are good in communication";  
go(22,22);printf("press any to continue");  
go(22,40);getch();  
go(20,45);  
screen2_1_1_b5();break;
```

```
case '2':
```

```
p.com="You have to improve your communication skill";  
go(22,22);printf("press any key to continue.");  
go(22,40);getch();  
screen2_1_1_b5();break;
```

```
default:
```

```
go(22,22);printf("give right input:");  
sleep(2);go(22,22);clrscr(17);go(20,45);clrscr(5);
```

```
}  
}
```

```
}
```

```
void screen2_1_1_b5(){  
clrscr();  
go(5,18);screen_border("Questions below are the interests you face in your everyday life:");  
sleep(2);  
go(7,18);printf("<<Please choose the option which appeals to you the most>>");  
go(9,20);printf("***BEST OF LUCK**");  
go(11,20);printf("Lets Continue:");  
go(11,35);getch();  
int i;
```

```
for( i=1;i<=4;i++)
```

```
{  
clrscr();  
int r1=i;  
switch(r1)  
{  
case 1:  
for(;;){  
clrscr();  
go(4,18);printf("Do you have investigative, realistic, artistic interests? ");
```

```
go(8,22);printf("1.YES");
```

```

go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.civil="You can go for BDS";
break;
}
else if ((getch())=='2')
{
p.civil=" ";
break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}

}

```

```

case 2:
for(;;){
clrscr();
go(4,15);printf("Are you interested to know how ayurveda and modern medicines relate with
each other?");
go(8,22);printf("1.YES");
go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.en="you can choose BAMS";
break;
}
else if ((getch())=='2')
{
p.en=" ";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}

```

```

}
case 3:
for(;;){
clrscr();
go(5,15);printf("Are you interested to work in a range of industries related to the ");
go(7,15);printf("prescription, manufacture & provision of medicines.");
go(9,22);printf("1.Yes");
go(11,22);printf("2.No");
go(13,22);printf("Enter [1/2]:");
go(15,34);
if ((getch())=='1')
{
p.ec="You can go for B.PHARMA";
break;

}
else if ((getch())=='2')
{
p.ec="";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
case 4:
for(;;){
clrscr();
go(5,15);printf("Do you have commitment to human service, rural patient care, etc?");
go(8,22);printf("1.YES");
go(10,22);printf("2.No");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.che="You can choose MBBS";
break;
}
else if ((getch())=='2')
{
p.che=" ";

```

```
break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
default:
```

```
clrscr();
go(5,22);screen_border("***Thank You for using our platform***");
go(8,22);printf("Press any key to continue:");
go(8,50);
getch();
output2();
}
}
}
```

```
void screen2_1_3(){
clrscr();
go(5,28);printf("Please Enter Marks ");
for(;;){

go(8,22);clreol(50);printf("Accountancy : ");
go(8,35);scanf("%f",&p.accountacy);if(validmarks(p.accountacy)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(10,22);clreol(50);printf("Business Studies : ");
go(10,40);scanf("%f",&p.bstd);if(validmarks(p.bstd)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(12,22);clreol(50);printf("Economics : ");
go(12,34);scanf("%f",&p.economics);if(validmarks(p.economics)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;)
{
```



```

go(14,22);clreol(50);printf("English : ");
go(14,32);scanf("%f",&p.english);if(validmarks(p.english)){ break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(16,22);clreol(50);printf("Optional : ");
go(16,32);scanf("%f",&p.optional);if(validmarks(p.optional)){ break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
p.per=(p.accountacy+p.bstd+p.economics+p.english+p.optional)/5;
if(p.per>=80)
p.cmgrade="You are a brilliant student";
else if(p.per>=60 &&p.per<80)
p.cmgrade="You are a good student";
else if(p.per>=33 &&p.per<60)
p.cmgrade="you are an average student";
else
p.cmgrade="You are too weak in studies";
go(17,16);printf("Student Marks Has Been Submitted ");
go(20,16);printf("Press any key to continue...");
getch();
sleep(2);
screen2_1_1_c1();

}
void screen2_1_1_c1(){
clrscr();
go(5,22); screen_border(">>Hey there! Your goal to discover right career has begun<<");
go(8,22);printf("Please wait...");
sleep(3);

clrscr();
go(8,20); printf("Are you a good problem solver?");

go(10,22);printf("1. YES");
go(12,22);printf("2. NO");
go(14,22);printf("ENTER 1/2");
for (;)
{ fflush(stdin);
go(14,35);

```

```

char ch=getchar();
switch (ch)
{
case '1':

go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_c2();break;


case '2':
p.apt="YOU DON'T HAVE PROBLEM SOLVING SKILLS...PLEASE DO DEVELOP IT";
go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_c3();
break;
default:
go(22,22); printf("please Enter right input:[1/2]");
sleep(2);go(22,22);clrscr(37);
go(14,35);clrscr(5);

}

}

}

void screen2_1_1_c2(){

clrscr();
go(8,20); printf("The difference between the value of the number increased by 20%% and .");
go(10,20);printf("the value of the number decreased by 25%% is 36 What is the number?");
go(12,20);printf("1. 720");
go(14,20);printf("2. 80");
go(16,20);printf("3. 72");
go(18,20);printf("4.360");
go(20,20);printf("Please select option:");
for(;;){
fflush(stdin);
go(20,45);
char choice=getchar();
switch(choice){
case '2':
p.apt="You are a good problem solver";
go(22,22);printf("press Enter to continue");
go(22,50);getch();

```

```
screen2_1_1_c3());break;
```

```
case '1': case '3' : case '4':
```

```
p.apr="You have to improve your problem solving skill";  
go(22,22);printf(" Enter to continue");  
go(22,50);getch();  
screen2_1_1_c3());break;
```

```
default:  
go(22,22);printf("give right input");  
sleep(2);go(22,22);clrscr(17);go(20,45);  
clrscr(5);
```

```
}  
}  
}
```

```
void screen2_1_1_c3(){
```

```
clrscr();  
go(8,20); printf("Are you good in communication skills?");  
go(10,22);printf("1. YES");  
go(12,22);printf("2. NO");  
go(14,22);printf("ENTER 1/2");  
for (;;)   
{ fflush(stdin);  
go(14,35);
```

```
char cn=getchar();  
switch (cn)  
{
```

```
case '1':
```

```
screen2_1_1_c4();  
break;
```

```
case '2':  
p.com="YOU DON'T HAVE GOOD COMMUNICATION SKILLS...PLEASE DO DEVELOP  
IT";  
screen2_1_1_c4();  
break;
```

```

default:
go(22,22); printf("please Enter right input:[1/2]");
sleep(1);go(22,22);clreol(38);go(14,35);clreol(5);

}

}

}
void screen2_1_1_c4(){
clrscr();

clrscr();
go(10,20); printf(" Do you have a tendency to steer clear of certain subject areas, *");
go(12,20);printf(" (e.g. money, household chores) in order to avoid conflict?");

go(14,20);printf("1. YES");
go(16,20);printf("2. NO");
go(20,20);printf("Please select option:");
for(;;){fflush(stdin);
go(20,45);
char choice=getchar();
switch (choice)
{
case '1':

p.com="You are good in communication";
go(22,22);printf("press any to continue");
go(22,40);getch();
go(20,45);
screen2_1_1_c5();break;

case '2':

p.com="You have to improve your communication skill";
go(22,22);printf(" press any key to continue:");
go(22,40);getch();
screen2_1_1_c5();break;

default:
go(22,22);printf("give right input:");
sleep(2);go(22,22);clreol(17);go(20,45);clreol(5);

}

}

```

```

}
void screen2_1_1_c5(){
clrscr();
go(5,18);screen_border("Questions below are the interests you face in your everyday life:");
sleep(2);
go(7,18);screen_border("<<Please choose the option which appeals to you the most>>");
go(9,20);printf("**BEST OF LUCK**");
go(11,20);printf("Lets Continue:");
go(11,35);getch();
int i;

for( i=1;i<=4;i++)
{
clrscr();
int r1=i;
switch(r1)
{
case 1:
for(;;){
clrscr();
go(4,18);printf("Are you comfortable to keep track of share price on a daily basis");
go(6,18);printf(" and advise people for investing in shares?");
go(8,22);printf("1.YES");
go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.civil="You can choose CMA";
break;
}
else if ((getch())=='2')
{
p.civil=" ";
break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}

}

case 2:

```

```

for(;;){
clrscr();
go(4,15);printf("Can you work as a professional who prepares accounting records,");
go(6,15);printf("processes taxes give reports regarding expenses to company?");
go(8,22);printf("1.YES");
go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.en="You can prepare for CA";
break;
}
else if ((getch())=='2')
{
p.en=" ";
break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
case 3:
for(;;){
clrscr();
go(4,15);printf("Can you work as professional who use mathematical and satistical skills");
go(6,15);printf("to make financial concepts easy for understanding?");
go(8,22);printf("1.YES");
go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.ec="You can go for B.com";
break;

}
else if ((getch())=='2')
{
p.ec=" ";

break;
}
}

```

```

else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
case 4:
for(;;){
clrscr();
go(5,15);printf("Do you have the ability to read the country's economy?");
go(8,22);printf("1.YES");
go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.che="You can choose BBA";
break;
}
else if ((getch())=='2')
{
p.che=" ";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
default:

clrscr();
go(5,22);screen_border("***Thank You for using our platform***");
go(8,22);printf("Press any key to continue:");
go(8,50);
getch();
output3();
}
}
}

void screen2_1_4(){
clrscr();

```

```

go(5,28);printf(">>Please Enter Marks <<");
for(;;){

go(8,22);clreol(50);printf("History : ");
go(8,32);scanf("%f",&p.history);if(validmarks(p.history)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){
go(10,22);clreol(50);printf("Geography : ");
go(10,35);scanf("%f",&p.geography);if(validmarks(p.geography)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(12,22);clreol(50);printf("Political Science : ");
go(12,42);scanf("%f",&p.political);if(validmarks(p.political)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(14,22);clreol(50);printf("English : ");
go(14,32);scanf("%f",&p.english);if(validmarks(p.english)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
for(;;){

go(16,22);clreol(50);printf("Optional : ");
go(16,32);scanf("%f",&p.optional);if(validmarks(p.optional)){break;
}
else {
go(18,16);printf("invalid marks");sleep(1);go(18,16);clreol(15);}}
p.per=(p.history+p.geography+p.political+p.english+p.optional)/5.0;
if(p.per>=80)
p.ahgrade="You are a brilliant student";
else if(p.per>=60 &&p.per<80)
p.ahgrade="You are a good student";
else if(p.per>=33 &&p.per<60)
p.ahgrade="you are an average student";
else
p.ahgrade="You are too weak in studies";
go(17,32);printf("Student Marks Has Been Submitted ");
go(19,16);printf("Press any key to continue...");

```



```

getch();
sleep(2);
screen2_1_1_h1();

}
void screen2_1_1_h1(){
clrscr();
go(5,22); screen_border(">>Hey there! Your goal to discover right career has begun<<");
go(8,22);printf("Please wait...");
sleep(3);

clrscr();
go(8,20); printf("Are you a good problem solver?");
fflush(stdin);
go(10,22);printf("1. YES");
go(12,22);printf("2. NO");
go(14,22);printf("ENTER 1/2");
for (;;)
{ fflush(stdin);
go(14,35);

char ch=getchar();
switch (ch)
{
case '1':

go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_h2();break;

case '2':
p.apt="YOU DON'T HAVE PROBLEM SOLVING SKILLS...PLEASE DO DEVELOP IT";
go(18,20); printf("press any key continue:");
go(18,50);getch();
screen2_1_1_h3();
break;
default:
go(22,22); printf("please Enter right input:[1/2]");
sleep(2);go(22,22);clreol(38);
go(14,35);clreol(5);

}

```

```
}  
}
```

```
void screen2_1_1_h2(){
```

```
clrscr();  
go(8,20); printf("The difference between the value of the number increased by 20%% and .");  
go(10,20);printf("the value of the number decreased by 25%% is 36 What is the number?");  
go(12,20);printf("1. 720");  
go(14,20);printf("2. 80");  
go(16,20);printf("3. 72");  
go(18,20);printf("4.360");  
go(20,20);printf("Please select option:");  
for(;;){  
fflush(stdin);  
go(20,45);  
char choice=getchar();  
switch(choice){  
case '2':  
p.apr="You are a good problem solver";  
go(22,22);printf("press Enter to continue");  
go(22,50);getch();  
screen2_1_1_h3();break;  
  
case '1': case '3' : case '4':  
  
p.apr="You have to improve your problem solving skill";  
go(22,22);printf(" Enter to continue");  
go(22,50);getch();  
screen2_1_1_h3();break;  
  
default:  
go(22,22);printf("give right input");  
sleep(2);go(22,22);clrscr();go(20,45);clrscr();  
  
}  
}  
}
```

```
void screen2_1_1_h3(){
```

```
clrscr();  
go(8,20); printf("How good are your communication skill?"); go(10,22);printf("1. YES");  
go(12,22);printf("2. NO");  
go(14,22);printf("ENTER 1/2");
```

```

for (;;)
{ fflush(stdin);
go(14,35);

char cn=getchar();
switch (cn)
{

case '1':

screen2_1_1_h4();
break;

case '2':
p.com="YOU DON'T HAVE GOOD COMMUNICATION SKILLS...PLEASE DO DEVELOP
IT";
screen2_1_1_h4();
break;

default:
go(22,22); printf("please Enter right input:");
sleep(2);      go(22,22);clreol(38);go(14,35);clreol(5);

}

}

}
void screen2_1_1_h4(){
clrscr();

go(10,20); printf(" Do you have a tendency to steer clear of certain subject areas, ");
go(12,20);printf(" (e.g. money, household chores) in order to avoid conflict?");

go(14,20);printf("1. YES");
go(16,20);printf("2. NO");
go(20,20);printf("Please select option:");
for(;;){ fflush(stdin);
go(20,45);
char choice=getchar();
switch (choice)
{
case '1':

```

```
p.com="You are good in communication";
go(22,22);printf("press any to continue");
go(22,40);getch();
go(20,45);
screen2_1_1_h5();break;
```

```
case '2':
```

```
p.com="You have to improve your communication skill";
go(22,22);printf(" press any key to continue:");
go(22,40);getch();
screen2_1_1_h5();break;
```

```
default:
```

```
go(22,22);printf("give right input:");
sleep(2);go(22,22);clrscr(18);go(20,45);clrscr(5);
```

```
}
}
```

```
}
```

```
void screen2_1_1_h5(){
clrscr();
go(5,18);screen_border("Questions below are the situations you face in your everyday life:");
sleep(2);
go(7,18);screen_border("<<Please choose the option which appeals to you the most>>");
go(9,20);printf("***BEST OF LUCK***");
go(11,20);printf("Lets Continue:");
go(11,35);getch();
int i;
```

```
for( i=1;i<=4;i++)
```

```
{
clrscr();
int r1=i;
switch(r1)
{
case 1:
for(;;){
```

```
clrscr();
go(4,18);printf("Are you comfortable to cover any recent news,event,innovation or
development");
go(6,18);printf("and write to broadcast it in the world");
go(8,22);printf("1.YES");
```

```

go(10,22);printf("2.NO");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.civil="You can try for journalism";
break;
}
else if ((getch())=='2')
{
p.civil=" ";
break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}

}

```

```

case 2:
for(;;){
clrscr();
go(4,15);printf("Are you comfortable to work non stop for long hour to reach .");
go(6,15);printf("up to position for betterment of country?");
go(8,22);printf("1.YES");
go(10,22);printf("2.No");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.en="you can try for public administrative service";
break;
}
else if ((getch())=='2')
{
p.en=" ";
break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
}

```

```

case 3:
for(;;){
clrscr();
go(5,15);printf("Are you comfortable to whether forecasting and natural calamities ");
go(8,22);printf("1.Yes");
go(10,22);printf("2.No");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.ec="you can become a geographer";
break;

}
else if ((getch())=='2')
{
p.ec="";

break;
}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
case 4:
for(;;){
clrscr();
go(4,15);printf("Do like to know about ancient India and Contemporary world");

go(8,22);printf("1.YES");
go(10,22);printf("2.No");
go(12,22);printf("Enter [1/2]:");
go(12,34);
if ((getch())=='1')
{
p.che="You can become a Historian";
break;
}
else if ((getch())=='2')
{
p.che=" ";

break;
}

```

```

}
else
{
go(22,22);printf("please enter right input");
sleep(2);
}
}
default:

clrscr();
go(5,22);screen_border("**Thank You for using our platform**");
go(8,22);printf("Press any key to continue:");
go(8,50);
getch();
output4();
}
}
}

```

```

void screen2_2_1(){
char choice;

```

```

clrscr();
go(5,22);screen_border(">>>>>ENGINEERING COURSES<<<<<<");
go(7,22);printf("*Choose Your Branch*");
go(10,20);printf("A.Electronics and Communication Engineering (ECE)");
go(12,20);printf("B.Computer Science Engineering (CSE)");
go(14,20);printf("C.Mecahanical Engineering");
go(16,20);printf("D.Chemical Engineering ");
go(18,20);printf("E.Electrical Engineering ");
go(20,20);printf("F.Civil Engineering ");
go(22,20);printf("G.Return to Main Menu");
go(24,20);printf("Enter Choice:A/B/C/D/E/F/G:");
for(;;){
fflush(stdin);
go(24,50);choice=getchar();
switch(choice){
case 'A': case 'a':
screen2_2_1_1();system("pause");screen2_2_1();
break;
case 'B': case 'b':
screen2_2_1_2();system("pause");screen2_2_1();
break;
case 'C': case 'c':

```

```

screen2_2_1_3();system("pause");screen2_2_1();
break;
case 'D': case 'd':
screen2_2_1_4();system("pause");screen2_2_1();
break;
case 'E': case 'e':
screen2_2_1_5();system("pause");screen2_2_1();
break;
case 'F': case 'f':
screen2_2_1_6();system("pause");screen2_2_1();
break;
case 'G': case 'g':
screen2();break;
default:
go(24,55);printf("invalid input");
sleep(2);go(24,55);clreol(15);go(24,50);clreol(5);
}
}
}

```

```

void screen2_2_2(){
char choice;

```

```

clrscr();
go(5,22);screen_border(">>>>> MEDICAL COURSES<<<<<<");
go(7,22);printf("*Select Courses*");
go(10,20);printf("1.MBBS");
go(12,20);printf("2.BDS");
go(14,20);printf("3.PHARMA");
go(16,20);printf("4.BAMS ");
go(18,20);printf("Return to Main Menu");
go(22,20);printf("Enter Choice:1/2/3/4/ R or r to return main menu:");
for(;;){
fflush(stdin);
go(22,70);choice=getchar();
switch(choice){
case '1':
screen2_2_2_1();system("pause");screen2_2_2();
break;
case '2':
screen2_2_2_2();system("pause");screen2_2_2();
break;
case '3':
screen2_2_2_3();system("pause");screen2_2_2();
break;
case '4':

```



```

screen2_2_2_4());system("pause");screen2_2_2();
break;
case 'r': case 'R':
screen2();break;
default:
go(24,22);printf("invalid input");sleep(2);go(24,22);clreol(15);go(22,70);clreol(5);
}
}
}

```

```

void screen2_2_3(){

```

```

char choice;

```

```

clrscr();
go(5,22);screen_border(">>>>COMMERCE COURSES<<<<<<");
go(7,22);printf("*Select Courses*");
go(10,20);printf("1.Bcom");
go(12,20);printf("2.CMA");
go(14,20);printf("3.BBA");
go(16,20);printf("4.CA ");
go(18,20);printf("Return to Main Menu");
go(22,20);printf("Enter Choice:1/2/3/4/ R or r to return main menu:");
for(;;){
fflush(stdin);
go(22,72);choice=getchar();
switch(choice){
case '1':
screen2_2_3_1();system("pause");screen2_2_3();
break;
case '2':
screen2_2_3_2();system("pause");screen2_2_3();
break;
case '3':
screen2_2_3_3();system("pause");screen2_2_3();
break;
case '4':
screen2_2_3_4();system("pause");screen2_2_3();
break;
case 'r': case 'R':
screen2();break;
default:
go(24,22); printf("invalid input");
sleep(2);go(24,22);clreol(15);go(22,72);clreol(5);
}
}
}

```

```

void screen2_2_4(){
char choice;

clrscr();
go(5,22);screen_border(">>>>>ARTS & HUMANITIES COURSES<<<<<<");
go(7,22);printf("*Select Courses*");
go(10,20);printf("1.BA in Humanities and social science");
go(12,20);printf("2.Ba in arts");
go(14,20);printf("3.BFA");
go(16,20);printf("4.BDes ");
go(18,20);printf("Return to Main Menu");
go(22,20);printf("Enter Choice:1/2/3/4/ R or r to return main menu:");
for(;;){
fflush(stdin);
go(22,70);choice=getchar();
switch(choice){
case '1':
screen2_2_4_1();system("pause");screen2_2_4();
break;
case '2':
screen2_2_4_2();system("pause");screen2_2_4();
break;
case '3':
screen2_2_4_3();system("pause");screen2_2_4();
break;
case '4':
screen2_2_4_4();system("pause");screen2_2_4();
break;
case 'r': case 'R':
screen2();break;
default:
go(24,22);printf("invalid input");
sleep(2);go(24,22);clreol(16);go(22,70);clreol(5);
}
}
}

void output1(){

clrscr();fflush(stdin);
outline();
system("color 71");
go(4,18);screen_border(">>Hey! we tried to conclude that according to your inputs<< ");
sleep(2);
go(8,15);printf("%s",p.pcmgrade);sleep(2);
go(10,15);printf("%s",p.appt);sleep(2);
go(12,15);printf("%s",p.com);sleep(2);

```

```

go(14,15);printf("%s",p.civil);sleep(2);
go(16,15);printf("%s",p.en);sleep(2);
go(18,15);printf("%s",p.ec);sleep(2);
go(20,15);printf("%s",p.che);sleep(2);
for(;;){
fflush(stdin);
go(22,13);printf("for more information about courses in engineering press [1] or");
go(24,13);printf("press [2] for exams or r to return to main menu:");

go(24,65);clrcol(8);
char ch=getchar();
switch (ch)
{
case '1':
screen2_2_1();system("pause");screen2_2_1();
break;
case '2':
screen2_3_1();system("pause");screen2_3();break;
case 'r': case 'R':
screen2();break;
default:
go(27,22);printf("enter right input");sleep(2);go(27,22);clrcol(20);
}
}

}

void output2(){

clrscr();fflush(stdin);
outline();
system("color 71");
go(4,18);screen_border(">>Hey! we tried to conclude that according to your inputs<< ");
sleep(2);
go(8,15);printf("%s",p.pcbgrade);sleep(2);
go(10,15);printf("%s",p.appt);sleep(2);
go(12,15);printf("%s",p.com);sleep(2);
go(14,15);printf("%s",p.civil);sleep(2);
go(16,15);printf("%s",p.en);sleep(2);
go(18,15);printf("%s",p.ec);sleep(2);
go(20,15);printf("%s",p.che);sleep(2);

for(;;){
fflush(stdin);
go(22,13);printf("for more information about courses in engineering press [1] or");
go(24,13);printf("press [2] for exams or r to return to main menu:");

```

```

go(24,65);clreol(8);
char ch=getchar();
switch (ch)
{
case '1':
screen2_2_2();system("pause");screen2_2(); break;
case '2':
screen2_3_2();system("pause");screen2_3();break;
break;
case 'r': case 'R':
screen2();break;
default:
go(27,22);printf("enter right input");
sleep(2);go(27,22);clreol(20);
}
}
}
void output3(){

clrscr();fflush(stdin);
outline();
system("color 71");
go(4,18);screen_border(">>Hey! we tried to conclude that according to your inputs<< ");
sleep(2);
go(8,15);printf("%s",p.cmgrade);sleep(2);
go(10,15);printf("%s",p.appt);sleep(2);
go(12,15);printf("%s",p.com);sleep(2);
go(14,15);printf("%s",p.civil);sleep(2);
go(16,15);printf("%s",p.en);sleep(2);
go(18,15);printf("%s",p.ec);sleep(2);
go(20,15);printf("%s",p.che);sleep(2);

for(;;){
fflush(stdin);
go(22,13);printf("for more information about courses in engineering press [1] or");
go(24,13);printf("press [2] for exams or r to return to main menu:");

go(24,65);clreol(8);
char ch=getchar();
switch (ch)
{
case '1':
screen2_2_3();system("pause");screen2_2();
break;
case '2':
screen2_3_3();system("pause");screen2_3();break;

```

```

break;
case 'r': case 'R':
screen2();break;
default:
go(27,22);printf("enter right input");
sleep(2);go(27,22);clreol(20);
}
}
}
void output4(){

clrscr();fflush(stdin);
outline();
system("color 71");
go(4,18);screen_border(">>Hey! we tried to conclude that according to your inputs<< ");
sleep(2);
go(8,15);printf("%s",p.ahgrade);sleep(2);
go(10,15);printf("%s",p.apr);sleep(2);
go(12,15);printf("%s",p.com);sleep(2);
go(14,15);printf("%s",p.civil);sleep(2);
go(16,15);printf("%s",p.en);sleep(2);
go(18,15);printf("%s",p.ec);sleep(2);
go(20,15);printf("%s",p.che);sleep(2);
for(;;){
fflush(stdin);
go(22,13);printf("for more information about courses in engineering press [1] or");
go(24,13);printf("press [2] for exams or r to return to main menu:");

go(24,65);clreol(8);
char ch=getchar();
switch (ch)
{
case '1':
screen2_2_4();system("pause");screen2_2();
break;
case '2':
screen2_3_4();system("pause");screen2_3();break;
break;
case 'r': case 'R':
screen2();break;
default:
go(27,22);printf("enter right input");sleep(2);go(27,22);clreol(20);

}
}
}

```

```

void changepassword(){
char un[51],ch;
int found=0,i=0;
system("cls");
fp=fopen("newuser.dat","rb+");
if(fp==NULL)fp=fopen("newuser.dat","wb+");
go(10,15);printf("Enter username : "); fflush(stdin);go(10,35);gets(un);
rewind(fp); // send the file pointer to top of the file
while(fread(&u,sizeof(u),1,fp)){
if(strcmp(un,u.username)==0){
found=1;
break;
}
}
switch(found){
case 1:
go(12,15);printf("new password : "); fflush(stdin);go(12,35);
while(i<50){
ch=getch();
if(ch==13) break;
else if(ch==8){
if(i>0){
int n;
i--;
go(10,32);clreol(50);
go(10,32);
for(n=0;n<i;n++) putchar('*');
}
}
else{
u.password[i]=ch;
putchar('*');
i++;
}
}
u.password[i]='\0';
fseek(fp,-sizeof(u),SEEK_CUR); //Move file pointer to start of searched record
fwrite(&u,sizeof(u),1,fp); //update the record
go(20,15);printf("Password updated...\n");system("pause");screen2();
case 0:
go(20,15);printf("User not found\n");system("pause");screen2();
}
}
}

```

```

//adt.h

#include <stdio.h>

#include <string.h>

#include <conio.h>

#include <stdlib.h>

#include <windows.h>

#include<time.h>


void clrscr(){
    system("cls");//to clear screen..
}

//This will set the foreground color for printing in a console window.
void SetColor(int ForgC)
{
    WORD wColor;

    //We will need this handle to get the current background attribute
    HANDLE hStdOut = GetStdHandle(STD_OUTPUT_HANDLE);
    CONSOLE_SCREEN_BUFFER_INFO csbi;

    //We use csbi for the wAttributes word.
    if(GetConsoleScreenBufferInfo(hStdOut, &csbi))
    {
        //Mask out all but the background attribute, and add in the foreground color
        wColor = (csbi.wAttributes & 0xF0) + (ForgC & 0x0F);

        SetConsoleTextAttribute(hStdOut, wColor);
    }

    return;
}

```

```
}
```

```
void ClearConsoleToColors(int ForgC, int BackC)
```

```
{
```

```
    WORD wColor = ((BackC & 0x0F) << 4) + (ForgC & 0x0F);
```

```
    ///Get the handle to the current output buffer...
```

```
    HANDLE hStdOut = GetStdHandle(STD_OUTPUT_HANDLE);
```

```
    ///This is used to reset the carat/cursor to the top left.
```

```
    COORD coord = {0, 0};
```

```
    ///A return value... indicating how many chars were written
```

```
    /// not used but we need to capture this since it will be
```

```
    /// written anyway (passing NULL causes an access violation).
```

```
    DWORD count;
```

```
    ///This is a structure containing all of the console info
```

```
    /// it is used here to find the size of the console.
```

```
    CONSOLE_SCREEN_BUFFER_INFO csbi;
```

```
    ///Here we will set the current color
```

```
    SetConsoleTextAttribute(hStdOut, wColor);
```

```
    if(GetConsoleScreenBufferInfo(hStdOut, &csbi))
```

```
{
```

```
    ///This fills the buffer with a given character (in this case 32=space).
```

```
    FillConsoleOutputCharacter(hStdOut, (TCHAR) 32, csbi.dwSize.X * csbi.dwSize.Y,  
coord, &count);
```

```
    FillConsoleOutputAttribute(hStdOut, csbi.wAttributes, csbi.dwSize.X * csbi.dwSize.Y,  
coord, &count );
```

```
    ///This will set our cursor position for the next print statement.
```

```
    SetConsoleCursorPosition(hStdOut, coord);
```

```
}
```



```

    return;
}

void SetColorAndBackground(int ForgC, int BackC)
{
    WORD wColor = ((BackC & 0x0F) << 4) + (ForgC & 0x0F);
    SetConsoleTextAttribute(GetStdHandle(STD_OUTPUT_HANDLE), wColor);
    return;
}

COORD coord = {0,0}; ///set the cordinate to 0, 0 (top-left corner of window);
void gotoxy(int x, int y){
    coord.X = x; coord.Y = y; /// X and Y coordinates
    SetConsoleCursorPosition(GetStdHandle(STD_OUTPUT_HANDLE), coord);
}

void outline(){
    int i, j;
    gotoxy(0,0);
    printf("%c",201);
    for(i = 1; i < 78; i++){
        gotoxy(i, 0);
        printf("%c",205);
    }
    gotoxy(78,0);
    printf("%c",187);
    for(i = 1; i < 25; i++){
        gotoxy(78, i);

```

```
    if(i == 6){
        printf("%c",185);
    }else{
        printf("%c",186);
    }
}
gotoxy(78, 25);
printf("%c",188);
for(i = 77; i > 0; i--){
    gotoxy(i,25);
    if(i == 35){
        printf("%c",202);
    }else{
        printf("%c",205);
    }
}
gotoxy(0,25);
printf("%c",200);
for(i = 24; i > 0; i--){
    gotoxy(0,i);
    if(i == 6){
        printf("%c",204);
    }else{
        printf("%c",186);
    }
}
}}
```

## **Conclusion**

It is concluded that this project helps the students to choose their ideal career on the basis of their interests. As, most of the students unable to identify this passion and for that it is the most reliable way to find out their career passion. Career counseling can be extremely beneficial to build careers of students and it is equally important in the education system as well. Also, some students don't aware of the various courses which a student can pursue to reach to the dream goal, this project, provides the brief and useful information about that. In the future improvement scope, this project can be further extended to the website using web development.