```
#include <stdio.h>
#include <string.h>
union info{
char name[30];
int employee_ID;
int date:
int month;
int year;
};
int main()
union info employee[5];
int i, j, n;
printf("Enter number of information you want to store: \n");
scanf("%d", &n);
for(i = 0; i < n; i++){
printf("\nEnter the information of 5 employees: \#\%d \n", (i+1));
printf("Enter Name of the employee: ");
scanf("%s", employee[i].name);
printf("Enter Employee ID: ");
scanf("%d", &employee[i].employee_ID);
printf("Enter Date: ");
scanf("%d", &employee[i].date);
printf("Enter Month: ");
scanf("%d", &employee[i].month);
printf("Enter Year: ");
scanf("%d", &employee[i].year);
printf("\n");
printf("DISPLAYING INFORMATION ABOUT EMPLOYEES\n");
for(i = 0; i < n; i++){
printf("\nInformation of different employees %d: ", (i+1));
printf("\nEmployee name: %s\n", employee[i].name);
printf("Employee ID: %d\n", employee[i].employee_ID);
printf("Date: %d\n", employee[i].date);
printf("Month: %d\n", employee[i].month);
printf("Year: %d\n", employee[i].year);
printf("\n");
for(i = 0; i < n; i++){
for(j = i+1; j < n; j++){
if(employee[i].year > employee[j].year){
int temp = employee[i].year;
employee[i].year = employee[j].year;
employee[i].year = temp;
}
```

```
printf("Name:%s\n",employee[i].name);
printf("Employee ID:%d\n",employee[i].employee_ID);
printf("Date:%d\n",employee[i].date);
printf("Month:%d\n",employee[i].month);
printf("Year:%d\n",employee[i].year);
}
return 0;
}

Output:
Enter number of information you want to store:
3
```

Enter the information of 5 employees: #1 Enter Name of the employee: ugyen Enter Employee ID: 1210070089

Enter Date: 23 Enter Month: 4 Enter Year: 2020

Enter the information of 5 employees: #2 Enter Name of the employee: yeshi Enter Employee ID: 190039930

Enter Date: 23
Enter Month: 4
Enter Year: 2001

Enter the information of 5 employees: #3 Enter Name of the employee: zamu Enter Employee ID: 12190102

Enter Date: 1 Enter Month: 6 Enter Year: 2010

DISPLAYING INFORMATION ABOUT EMPLOYEES

Information of different employees 1:

Employee name: Employee ID: 2020

Date: 2020 Month: 2020 Year: 2020

Information of different employees 2:

Employee name: � Employee ID: 2001

Date: 2001 Month: 2001 Year: 2001

Information of different employees 3:

Employee name: � Employee ID: 2010

Date: 2010 Month: 2010 Year: 2010

Name:�

Employee ID:2001

Date:2001 Month:2001 Year:2001 Name:

Employee ID:2010

Date:2010 Month:2010 Year:2010 Name:

Employee ID:2020

Date:2020 Month:2020 Year:2020

```
#include <stdio.h>
union customers{
       char name[20];
       int acc no;
       int amount;
       };
       int main()
       int mem, acc_no, amount;
       union customers bank[10];
       int choice;
do{
       printf("\nBANK OF BHUTAN");
       printf("\n1.Add Customers details");
       printf("\n2.View Customers details");
       printf("\n3.Deposit");
       printf("\n4.Withdraw");
       printf("\nEnter number given above to compute: ");
       scanf("%d",&choice);
switch(choice){
       case 1:
       printf("\nEnter the number of customers you want:");
       scanf("%d",&mem);
       for(int i = 0; i < mem; i++){
       printf("\nPlease enter the name: ");
       scanf("%s",bank[i].name);
       printf("Please enter the Account number: ");
       scanf("%d",&bank[i].acc_no);
       printf("Please enter the amount you want to deposit: ");
       scanf("%d",&bank[i].amount);
       break;
       case 2:
       printf("\nDetails of those customers who have over than Nu.10000 amount: ");
       for(int i = 0; i < mem; i++){
       if(bank[i].amount > 10000){
       printf("\nName :%s",bank[i].name);
       printf("\nAccount No :%d",bank[i].acc_no);
       printf("\nAmount :%d",bank[i].amount);
       }
       break;
       case 3:
       printf("\nEnter Account no to deposit: ");
       scanf("%d",&acc no);
       for(int i = 0; i < mem; i++){
```

```
if(bank[i].acc no == acc no){
       printf("\nPEnter amount you want to desposit: ");
       scanf("%d",&amount);
       bank[i].amount = bank[i].amount + amount;
       printf("\nTotal Amount :%d",bank[i].amount);
       else{
       printf("\nNo such account no is registered in the bank");
       break:
       case #include <stdio.h>
union customers{
       char name[20];
       int acc no;
       int amount;
       };
       int main()
       int mem, acc_no, amount;
       union customers bank[10];
       int choice:
do{
       printf("\nBANK OF BHUTAN");
       printf("\n1.Add Customers details");
       printf("\n2.View Customers details");
       printf("\n3.Deposit");
       printf("\n4.Withdraw");
       printf("\nEnter number given above to compute: ");
       scanf("%d",&choice);
switch(choice){
       case 1:
       printf("\nEnter the number of customers you want:");
       scanf("%d",&mem);
       for(int i = 0; i < mem; i++){
       printf("\nPlease enter the name: ");
       scanf("%s",bank[i].name);
       printf("Please enter the Account number: ");
       scanf("%d",&bank[i].acc_no);
       printf("Please enter the amount you want to deposit: ");
       scanf("%d",&bank[i].amount);
       }
       break;
       case 2:
       printf("\nDetails of those customers who have over than Nu.10000 amount: ");
       for(int i = 0; i < mem; i++){
       if(bank[i].amount > 10000){
       printf("\nName :%s",bank[i].name);
       printf("\nAccount No :%d",bank[i].acc no);
       printf("\nAmount :%d",bank[i].amount);
```

```
break;
case 3:
printf("\nEnter Account no to deposit: ");
scanf("%d",&acc_no);
for(int i = 0; i < mem; i++){
if(bank[i].acc_no == acc_no){
printf("\nPEnter amount you want to desposit: ");
scanf("%d",&amount);
bank[i].amount = bank[i].amount + amount;
printf("\nTotal Amount :%d",bank[i].amount);
}
else{
printf("\nNo such account no is registered in the bank");
}
break;
case 4:
printf("\nEnter Account no to withdraw: ");
scanf("%d",&acc_no);
for(int i = 0; i < mem; i++){
if(bank[i].acc_no == acc_no){
printf("\nPlease enter amount you want to Withdraw :");
scanf("%d",&amount);
if(bank[i].amount >= amount){
bank[i].amount = bank[i].amount - amount;
printf("\nBalance Amount :%d",bank[i].amount);
       }
else{
printf("\nYou don't have enough amount to Withdraw");
       }
}
else{
printf("\nNo such account no is registered in the bank");
       }
}
break;
default:
printf("\nOpps! System Error");
       }
}
while(choice != 5);
return 0;
```

```
printf("\nEnter Account no to withdraw: ");
       scanf("%d",&acc_no);
       for(int i = 0; i < mem; i++){
       if(bank[i].acc no == acc no){
       printf("\nPlease enter amount you want to Withdraw :");
       scanf("%d",&amount);
       if(bank[i].amount >= amount){
       bank[i].amount = bank[i].amount - amount;
       printf("\nBalance Amount :%d",bank[i].amount);
              }
       else{
       printf("\nYou don't have enough amount to Withdraw");
              }
       }
       else{
       printf("\nNo such account no is registered in the bank");
              }
       }
       break:
       default:
       printf("\nOpps! System Error");
       }
       while(choice != 5);
       return 0;
}
Output:
BANK OF BHUTAN
1.Add Customers details
2. View Customers details
3.Deposit
4.Withdraw
Enter number given above to compute: 1
Enter the number of customers you want:1
Please enter the name: ugyen
Please enter the Account number: 12190102
Please enter the amount you want to deposit: 30000
BANK OF BHUTAN
1.Add Customers details
2. View Customers details
3.Deposit
4.Withdraw
```

Enter number given above to compute: 2

Details of those customers who have over than Nu.10000 amount:

Name:0u

Account No :30000 Amount :30000

BANK OF BHUTAN

- 1.Add Customers details
- 2. View Customers details
- 3.Deposit
- 4.Withdraw

Enter number given above to compute: 3

Enter Account no to deposit: 490103983

No such account no is registered in the bank

BANK OF BHUTAN

- 1.Add Customers details
- 2. View Customers details
- 3.Deposit
- 4.Withdraw

Enter number given above to compute: 4

Enter Account no to withdraw: 12190102

No such account no is registered in the bank

BANK OF BHUTAN

- 1.Add Customers details
- 2. View Customers details
- 3.Deposit
- 4.Withdraw

Enter number given above to compute: 5

Opps! System Error

```
#include <stdio.h>
struct students
       int student ID;
       char name[50];
       int date:
       int month;
       int year;
       };
       int main()
       struct students detail[100];
       int i, n, comp;
       //Current date
       int current_date = 25;
       int current_month = 10;
       int current_year = 2020;
       printf("Total number of details you want to enter: ");
       scanf("%d", &n);
       for(i = 0; i < n; i++){
       printf("\nDetail of student %d\n", (i+1));
       printf("Enter ID: ");
       scanf("%d", &detail[i].student_ID);
       printf("Enter name: ");
       scanf("%s", detail[i].name);
       printf("Enter date of joining dd <1-31>: ");
       scanf("%d", &detail[i].date);
       printf("Enter month of joining mm <1-12>: ");
       scanf("%d", &detail[i].month);
       printf("Enter year of joining yy <4 integers>: ");
       scanf("%d", &detail[i].year);
       printf("\nName of students who have been in the college for more than or equal to years:");
       for(i = 0; i < n; i++){
       comp = current_year - detail[i].year;
       if(comp > 3){
       printf("%s\n", detail[i].name);
       if(comp == 3){
       if(detail[i].month>current_month){
       printf("%s\n",detail[i].name);
               }
       if(comp == 3 && detail[i].month == current_month){
       if(detail[i].date > current_date){
       printf("%s\n", detail[i].name);
               }
```

```
}
return 0;
}
```

Output:

Total number of details you want to enter: 3

Detail of student 1
Enter ID: 12190102
Enter name: ugyen
Enter date of joining dd <1-31>: 4
Enter month of joining mm <1-12>: 3
Enter year of joining yy <4 integers>: 2010

Detail of student 2
Enter ID: 12180078
Enter name: pema
Enter date of joining dd <1-31>: 5
Enter month of joining mm <1-12>: 7
Enter year of joining yy <4 integers>: 2018

Detail of student 3
Enter ID: 2020001
Enter name: yangchen
Enter date of joining dd <1-31>: 18
Enter month of joining mm <1-12>: 11
Enter year of joining yy <4 integers>: 2020

Name of students who have been in the college for more than or equal to years:ugyen

```
#include <stdio.h>
struct students
       int student ID;
       char name[50];
       int date:
       int month;
       int year;
       };
       int main()
       struct students detail[100];
       int i, n, comp;
       //Current date
       int current_date = 25;
       int current_month = 10;
       int current_year = 2020;
       printf("Total number of details you want to enter: ");
       scanf("%d", &n);
       for(i = 0; i < n; i++){
       printf("\nDetail of student %d\n", (i+1));
       printf("Enter ID: ");
       scanf("%d", &detail[i].student_ID);
       printf("Enter name: ");
       scanf("%s", detail[i].name);
       printf("Enter date of joining dd <1-31>: ");
       scanf("%d", &detail[i].date);
       printf("Enter month of joining mm <1-12>: ");
       scanf("%d", &detail[i].month);
       printf("Enter year of joining yy <4 integers>: ");
       scanf("%d", &detail[i].year);
       printf("\nName of students who have been in the college for more than or equal to years:");
       for(i = 0; i < n; i++){
       comp = current_year - detail[i].year;
       if(comp > 3){
       printf("%s\n", detail[i].name);
       if(comp == 3){
       if(detail[i].month>current_month){
       printf("%s\n",detail[i].name);
               }
       if(comp == 3 && detail[i].month == current_month){
       if(detail[i].date > current_date){
       printf("%s\n", detail[i].name);
               }
```

```
}
}
return 0;
}
```

Output:

Enter the no of football players:

2

Enter player information:

Enter the player name: neymer

Enter the player age: 34
Enter total_match played: 50
Enter the average_goal scored: 10

Enter the player name: ugyen Enter the player age: 10 Enter total_match played: 2 Enter the average_goal scored: 3

Players info in terms of average go scored from lowest to highest

Name	Age		Total_match		Average_goal		
ugyen neymer	10	34	2	50		3	10