**Input:**

#include<iostream>

#include<iomanip>

using namespace std;

#define max 10

// Structure of Employee

struct employee {

string name;

long int employee\_id;

string designation;

int salary;

};

int num = -1;

// Array of Employees to store the

// data in the form of the Structure

// of the Array

employee emp[max];

// Function to insert the data into

// given data type

void insert()

{

if (num < max) {

num++;

cout << "Enter the information of the Employee\n";

cout << "Employee ID: ";

cin >> emp[num].employee\_id;

cout << "Name: ";

cin >> emp[num].name;

cout << "Designation: ";

cin >> emp[num].designation;

cout<<"Salary: ";

cin>>emp[num].salary;

}

else {

cout << "Employee Table Full\n";

}

}

// Function to delete record at index i

void deleteIndex(int i)

{

for (int j = i; j < num; j++) {

emp[j].name = emp[j + 1].name;

emp[j].employee\_id = emp[j + 1].employee\_id;

emp[j].designation = emp[j + 1].designation;

emp[j].salary = emp[j +1].salary;

}

return;

}

void displayAllRecords(){

if(num == -1){

cout<<"No records present!\n";

return;

}

else{

cout<<endl<<setw(5)<<"ID"<<setw(10)<<"NAME"<<setw(18)<<"DESIGNATION"<<setw(10)<<"SALARY\n";

for(int i=0; i<num+1; i++){

cout<<setw(5)<<emp[i].employee\_id<<setw(10)<<emp[i].name<<setw(18)<<emp[i].designation<<setw(10)<<emp[i].salary<<endl;

}

}

}

// Function to delete record

void deleteRecord()

{

int employee\_id;

cout << "Enter the Employee ID to Delete Record: ";

cin >> employee\_id;

for (int i = 0; i < num+1; i++) {

if (emp[i].employee\_id == employee\_id) {

deleteIndex(i);

num--;

break;

}

}

}

void searchRecord()

{

int employee\_id;

cout << "Enter the Employee ID to Search Record: ";

cin >> employee\_id;

for (int i = 0; i < num+1; i++) {

// If the data is found

if (emp[i].employee\_id == employee\_id) {

cout<<endl<<setw(5)<<"ID"<<setw(10)<<"NAME"<<setw(18)<<"DESIGNATION"<<setw(10)<<"SALARY\n";

cout<<setw(5)<<emp[i].employee\_id<<setw(10)<<emp[i].name<<setw(18)<<emp[i].designation<<setw(10)<<emp[i].salary<<endl;

return;

}

}

cout<<"Employee record not found.\n";

}

// Driver Code

int main()

{

int option = 0;

while(option != 5){

cout<<"Soumyajyoti Dasgupta SE\_C RollNo.15";

cout << "\n----- Employee Management System -----\n";

//cout << "Available Options:\n";

cout << "1. Insert New Record\n";

cout << "2. Display all Records\n";

cout << "3. Delete Record\n";

cout << "4. Search Record by Employee ID\n";

cout << "5. Exit\n";

cout<<"Enter your choice: ";

cin >> option;

switch(option){

case 1:

insert();

break;

case 2:

displayAllRecords();

break;

case 3:

deleteRecord();

break;

case 4:

searchRecord();

break;

case 5:

cout<<"\n\*\*\*\*\* You have exited \*\*\*\*\*\n";

break;

default:

cout<<"Enter valid option!\n";

break;

}

}

return 0;

}

**Output:**

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 1

Enter the information of the Employee

Employee ID: 1

Name: soumya

Designation: web

Salary: 2000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 1

Enter the information of the Employee

Employee ID: 2

Name: shreyas

Designation: backend

Salary: 1000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 2

ID NAME DESIGNATION SALARY

1 soumya web 2000

2 shreyas backend 1000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 3

Enter the Employee ID to Delete Record: 2

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 3

Enter the Employee ID to Delete Record: 0

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 2

ID NAME DESIGNATION SALARY

1 soumya web 2000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 1

Enter the information of the Employee

Employee ID: 3

Name: Fend

Designation: game

Salary: 3000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 2

ID NAME DESIGNATION SALARY

1 soumya web 2000

3 Fend game 3000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 4

Enter the Employee ID to Search Record: 3

ID NAME DESIGNATION SALARY

3 Fend game 3000

Soumyajyoti Dasgupta SE\_C RollNo.15

----- Employee Management System -----

1. Insert New Record

2. Display all Records

3. Delete Record

4. Search Record by Employee ID

5. Exit

Enter your choice: 5

\*\*\*\*\* You have exited \*\*\*\*\*

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Process exited after 93.07 seconds with return value 0

Press any key to continue . . .