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#include<bits/stdc++.h>
using namespace std;
class employeeDetails{
private:
    string empName,address,role;
    int empId,JoinYear,salary;
public:
    employeeDetails(string name,string empaddress,string emprole,int empJoinYear,int empsalary,int
empId){
        empName=name;
        address=empaddress;
        role=emprole;
        JoinYear=empJoinYear;
        salary=empsalary;
        this->empId=empId;
    }
    int getId(){
        return empId;
    }
    string getName(){
        return empName;
    }
    string getempaddress(){
        return address;
    }
    string getEmpRole(){
        return role;
    }
    int getempJoinYear(){
        return JoinYear;
    }
    int getempsalary(){
        return salary;
    }
    void setName(string name){
        empName=name;
    }
    void setAddress(string empaddress){
        address=empaddress;
    }
    void setRole(string emprole){
        role=emprole;
    }
    void setempJoinYear(int empJoinYear){
        JoinYear=empJoinYear;
    }
    void setEmpsalary(int empsalary){
        salary=empsalary;
    }
    void display(){
        cout<<endl<<"Details of Employees are following"<<endl;
        cout<<"Employee Id : "<<empId<<endl;
    }
}

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        cout<<"Name : "<<empName<<endl;
        cout<<"Address : "<<address<<endl;
        cout<<"Employee Role : "<<role<<endl;
        cout<<"Joining Year : "<<JoinYear<<endl;
        cout<<"Employee salary: "<<salary<<endl;
    }
};

class addNewEmployee{
public:
    vector<employeeDetails>employee;
    void create(employeeDetails obj){
        employee.push_back(obj);
    }
    void read(){
        for(auto it:employee){
            it.display();
        }
    }
    void update(int id){
        for(auto it:employee){
            if(it.getId()==id){
                cout<<"Update for the Employee with Employee Id : "<<it.getId()<<endl;
                it.setName("arjun");
                break;
            }
        }
    }
    void delet(int id){
        for(auto it:employee){
            if(it.getId()==id){
                employee.erase(std::next(employee.begin(),id-1));
            }
        }
    }
};

int main(){
    addNewEmployee emp;
    emp.create(employeeDetails("Ajay","Lucknow","Front-End",2024,20000,1));
    emp.create(employeeDetails("Adarsh","Muradnagar","Back-End",2024,200012,2));
    emp.read();
    emp.delet(1);
    emp.read();
    return 0;
}

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