

OOP ASSIGNMENT 3

```
#include <iostream>
#include <string>
using namespace std;

class Staff
{
protected:
    string name, department;
    int staff_id;
public:
    void accept();
    void display();
};

class teaching : public Staff
{
    string subject;
    int experience;
public:
    void accept1();
    void display1();
};

void Staff::accept()
{
    cout << "\nEnter Details: " << endl;
    cout << "Name: ";
    getline(cin, name);
    cout << "Department: ";
    getline(cin, department);
    cout << "Staff ID: ";
    cin >> staff_id;
    cin.ignore(); // Ignore leftover newline after integer input
}

void Staff::display()
{
```

```

    cout << "Name: " << name << endl;
    cout << "Department: " << department << endl;
    cout << "Staff ID: " << staff_id << endl;
}

void teaching::accept1()
{
    accept();

    cout << "Subject: ";
    getline(cin, subject);
    cout << "Experience (years): ";
    cin >> experience;
    cin.ignore();
}

void teaching::display1()
{
    cout << "\nDetails: " << endl;
    display();
    cout << "Subject: " << subject << endl;
    cout << "Experience (years): " << experience << endl;
}

class support
{
    string request;

public:
    void accept2();
    void display2();
};

void support::accept2()
{
    int choice;
    cout << "\nSUPPORT: " << endl;
    cout << "Enter 1 for request & 0 for complaint: ";
    cin >> choice;
    cin.ignore();
}

```

```

if (choice == 1)
{
    cout << "Type Request: ";
    getline(cin, request);
}
else if (choice == 0)
{
    cout << "THANK YOU" << endl;
    request = "No request made.";
}
else
{
    cout << "Invalid choice, no request recorded." << endl;
    request = "No request made.";
}
}

```

```

void support::display2()
{
    cout << "\nRequest: " << request << endl;
}

```

```

int main()
{
    int n;
    cout << "Enter the number of teachers: ";
    cin >> n;
    cin.ignore();

    teaching obj1[n];
    for (int i = 0; i < n; i++)
    {
        obj1[i].accept1();
    }

    for (int i = 0; i < n; i++)
    {
        obj1[i].display1();
    }
}

```

```
support obj2[n];
for (int i = 0; i < n; i++)
{
    obj2[i].accept2();
}
for (int i = 0; i < n; i++)
{
    obj2[i].display2();
}

return 0;
}
```

OUTPUT :-

Enter the number of teachers: 2

Enter Details:

Name: prine vyas

Department: comp

Staff ID: 29347

Subject: oop

Experience (years): 3

Enter Details:

Name: aman

Department: comp

Staff ID: 98

Subject: ds

Experience (years): 6

Details:

Name: prine vyas

Department: comp

Staff ID: 29347

Subject: oop

Experience (years): 3

Details:

Name: aman

Department: comp

Staff ID: 98

Subject: ds

Experience (years): 6