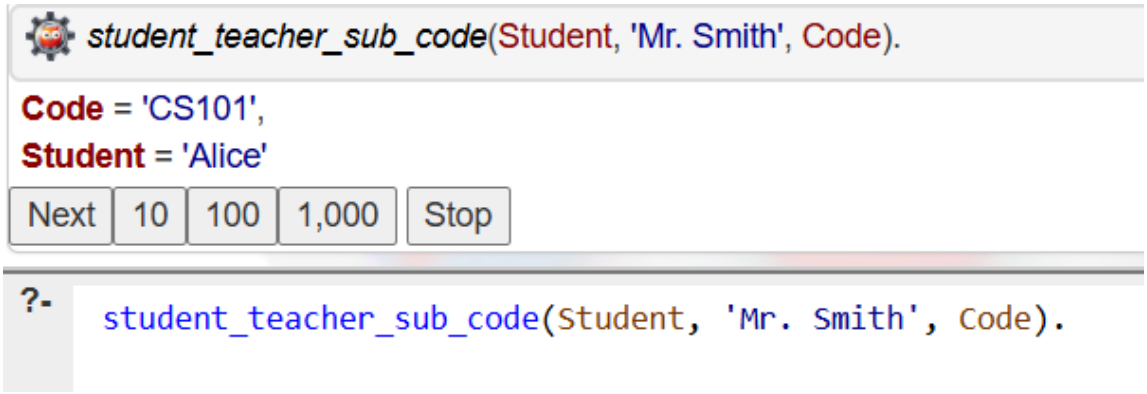
# EXPERIMENT:19 Write a Prolog Program for STUDENT-TEACHE R-SUB-CODE.

## PROGRAM:

```
% student_teacher_sub_code(StudentName, TeacherName, SubjectCode).

student_teacher_sub_code('Alice', 'Mr. Smith', 'CS101').
student_teacher_sub_code('Bob', 'Ms. Johnson', 'MA202').
student_teacher_sub_code('Charlie', 'Mr. Smith', 'CS101').
student_teacher_sub_code('Diana', 'Mr. Lee', 'PH303').
student_teacher_sub_code('Ethan', 'Ms. Johnson', 'MA202').
```

## OUTPUT:



```
Accuracy: 1.0
|--- petal width (cm) <= 0.80
|   |--- class: 0
|--- petal width (cm) >  0.80
|   |--- petal length (cm) <= 4.75
|   |   |--- petal width (cm) <= 1.65
|   |   |   |--- class: 1
|   |   |--- petal width (cm) >  1.65
|   |   |   |--- class: 2
|   |--- petal length (cm) >  4.75
|   |   |--- petal width (cm) <= 1.75
|   |   |   |--- petal length (cm) <= 4.95
|   |   |   |   |--- class: 1
|   |   |   |--- petal length (cm) >  4.95
|   |   |   |   |--- petal width (cm) <= 1.55
|   |   |   |   |   |--- class: 2
|   |   |   |   |--- petal width (cm) >  1.55
|   |   |   |   |   |--- petal length (cm) <= 5.45
|   |   |   |   |   |   |--- class: 1
|   |   |   |   |   |--- petal length (cm) >  5.45
|   |   |   |   |   |   |--- class: 2
|   |   |--- petal width (cm) >  1.75
|   |   |   |--- petal length (cm) <= 4.85
|   |   |   |   |--- sepal width (cm) <= 3.10
|   |   |   |   |   |--- class: 2
|   |   |   |   |--- sepal width (cm) >  3.10
|   |   |   |   |   |--- class: 1
|   |   |   |--- petal length (cm) >  4.85
|   |   |   |   |--- class: 2



...Program finished with exit code 0
Press ENTER to exit console.
```