

Iris Flowers Classification

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#include <stdio.h>

#include <string.h>

#define SETOSA "Iris-setosa"

#define VERSICOLOR "Iris-versicolor"

#define VIRGINICA "Iris-virginica"

const char* predictFlowerSpecies(float sepal_length, float petal_length) {

    if (petal_length < 2.5) {

        return SETOSA;

    } else if (petal_length < 4.8) {

        return VERSICOLOR;

    } else {

        return VIRGINICA;

    }

}

int main() {

    float sepal_length, petal_length;

    printf("Enter sepal length (cm): ");

    scanf("%f", &sepal_length);

    printf("Enter petal length (cm): ");

    scanf("%f", &petal_length);

    const char* predictedSpecies = predictFlowerSpecies(sepal_length, petal_length);

    printf("Predicted Flower Species: %s\n", predictedSpecies);

    return 0;

}
```