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    Roll No : 3317

    ASSIGNMENT-6

    Problem Statement :

        Implement any one of the following Expert System

            I.   Information management

            II.  Hospitals and medical facilities

            III. Help desks management

            IV.  Employee performance evaluation

            V.   Stock market trading

            VI.  Airline scheduling and cargo schedules

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#include <iostream>

#include <string>

using namespace std;

bool askQuestion(string question) {

    string answer;

    cout << question << " (y/n): "; cin >> answer;

    return (answer == "y" || answer == "Y");

}

int main() {

    cout << "=== Employee Performance Evaluation Expert System ===" << endl;

    char moreEmployees;

    do {

        bool punctuality = askQuestion("Is the employee punctual?");

        bool taskCompletion = askQuestion("Does the employee complete tasks on time?");

        bool teamwork = askQuestion("Does the employee work well in a team?");

        bool leadership = askQuestion("Does the employee exhibit leadership qualities?");

        bool innovation = askQuestion("Does the employee show innovation and creativity?");

        if (punctuality && taskCompletion && teamwork && leadership && innovation)

            cout << "\nEmployee Performance: EXCELLENT" << endl;

        else if (punctuality && taskCompletion && teamwork && (!leadership || !innovation))

            cout << "\nEmployee Performance: GOOD" << endl;

        else if (punctuality && !taskCompletion && teamwork && (!leadership || !innovation))

            cout << "\nEmployee Performance: AVERAGE" << endl;

        else if (!punctuality && !taskCompletion && !teamwork && !leadership && !innovation)

            cout << "\nEmployee Performance: POOR" << endl;

        else if ((!punctuality || !taskCompletion || !teamwork) && leadership && innovation)

            cout << "\nEmployee Performance: HAS POTENTIAL BUT NEEDS IMPROVEMENT" << endl;

        else

            cout << "\nEmployee Performance: NEEDS SIGNIFICANT IMPROVEMENT" << endl;

        cout << "\nWould you like to evaluate another employee? (y/n): ";

        cin >> moreEmployees;

    } while (moreEmployees == 'y' || moreEmployees == 'Y');

    return 0;

}

A screenshot of a computer

AI-generated content may be incorrect.