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/* A company develpos a software using pair programming two
programmers as a teamto develop the software:

The selection process for the teamis formulated as follow

(1)Each programmer is represented as a linear combination of the formaG+bP+cI
*/
#include <iostream>
using namespace std;

class Programmer{
public:
    int C, P, I; // G=Graduation,P=Post-graduation,I=Interview scores

// Constructor to initialize marks
   Programmer(int graduation, int pg, int interview)
    {
      C =graduation;
      P =pg;
      I =interview;
    }
};

int main() {
    int Grad1, Pg1, inter1, Grad2, Pg2, inter2;
    cout<<"The range of the marks for the garuation(G),Post-Graduation(PG),Interview(I)is:"<<endl;
    cout<<"Graduation   (66<A<99)"<<endl;
    cout<<"Post-graduation      (66<B<99)"<<endl;
    cout<<"Interview     (0<C<10)"<<endl;
    //Enter grades for the First Person:
      cout << "Enter marks (Graduation, Post-graduation, Interview) for Programmer(1):"<<endl;
      cin >> Grad1 >> Pg1 >> inter1;
      cout<<"programmer(1)Graduation Marks:"<<Grad1<<" Post-graduation Marks:"<<Pg1<<" Interview Marks:"<<inter1
    //Enter grades for the Second Person:
      cout << "Enter marks (Graduation , Post-graduation, Interview) for Programmer(2):"<<endl;
      cin >> Grad2 >> Pg2 >> inter2;
      cout<<"programmer(2)Graduation Marks:"<<Grad2<<" Post-graduation Marks:"<<Pg2<<" Interview Marks:"<<inter2
//Here we need to check the mark range for the validity:
    if ((Grad1 <= 60 || Grad1 >= 99) || (Pg1 <= 60 || Pg1 >= 99) || (inter1 < 0 || inter1 >= 10) ||
        (Grad2 <= 60 || Grad2 >= 99) || (Pg2 <= 60 || Pg2 >= 99) || (inter2 < 0 || inter2 >= 10)) {
        cout << "Invalid marks! Please enter marks within the specified range.\n";
        return 1;
    }

    // Creating the programmer objects
    Programmer prog1(Grad1, Pg1, inter1);
    Programmer prog2(Grad2, Pg2, inter2);
    cout<<"The condition for the SELECTION is:"<<endl<<"total Graduation marks: > 150 && total Post-Graduation mark
    // Calculate total scores of the programmers Based on their (Graduation,Post-graduation,Interview)
    int totalC = prog1.C + prog2.C;
    int totalP = prog1.P + prog2.P;
    int totalI = prog1.I + prog2.I;

    // Here we need to select the developer according to their total score:
    if (totalC > 150 && totalP > 180 && totalI > 9)
    {
        cout << "The teamis SELECTED for development.\n";
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        cout <<"TOTAL Graduation Marks:"<<total C<<"(66<A<99)"<<endl;
        cout <<"TOTAL Post-graduation Marks:"<<total P<<"(66<B<99)"<<endl;
        cout <<"TOTAL Interview Marks:"<<total I<<"(0<C<10)"<<endl;
    }
    else
    {
        cout << "The team is NOT SELECTED\n"<<endl;
        cout <<"Due to lack of grades \nwere your marks are not reaching the point !!!:"<<endl;
        cout <<"TOTAL Graduation Marks:"<<total C<<"(66<A<99)"<<endl;
        cout <<"TOTAL Post-graduation Marks:"<<total P<<"(66<B<99)"<<endl;
        cout <<"TOTAL Interview Marks:"<<total I<<"(0<C<10)"<<endl;
    }

    return 0;
}
```