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/* *****
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This program demonstrates how loop constructs can be used to
work out which paralympic teams are eligible to compete.
***** */

import java.util.Scanner;
class Short5
{

    public static void main(String[] p)
    {

        int classNum = classificationCalc();
        int totalNum = disabilityInput();
        boolean legality = legalityCalc(totalNum, classNum);
        legalityOutput(legality, totalNum);
        System.exit(0);

    } //END main

    public static int classificationCalc()
    {
        // user input of the Swimming relay event disability points
        Scanner scanner = new Scanner(System.in);
        System.out.println("What is the classification (maximum points) of this relay event?");
        int classNum = Integer.parseInt(scanner.nextLine());
        return classNum;

    } //END classificationCalc

    public static int disabilityInput()
    {

        int totalNum = 0;
        int swimmerNum;
        Scanner scanner = new Scanner(System.in);
        // loop construct to input every swimmers disability category
        for (int i=1; i<=4; i++)
        {

            System.out.println("What is the disability category of Swimmer? " + i);
            swimmerNum = Integer.parseInt(scanner.nextLine());

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    totalNum= swimmerNum + totalNum;

}

    return totalNum;
} //END disabilityInput

public static boolean legalityCalc(int totalNum, int classNum)
{
    // assign boolean value to legality calculation
    boolean legality;
    if (totalNum <= classNum)
    {

        legality = true;

    }
    else
    {

        legality = false;

    }

    return legality;
} //END legalityCalc

public static void legalityOutput(boolean legality, int totalNum)
{
    // if statement to output which teams are legal and which are not
    if (legality)
    {

        System.out.println("That team has " + totalNum + " points so is legal");

    }
    else
    {

        System.out.println("That team has " + totalNum + " points so is not legal");

    }
}

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} //END legalityOutput
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} //END class Short5
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