

תרגיל בוחן בחשבון

```
// Get user's name
Console.WriteLine("Enter your name:");
string name = Console.ReadLine();

// Get number of exercises
Console.WriteLine("How many exercises would you like to have?");
int exercises = int.Parse(Console.ReadLine());

// Correct and wrong answers counters
int correct = 0;
int wrong = 0;

// Repeat as many times as the user asked for
for (int i = 1; i <= exercises; i++)
{
    // Call the random command
    Random rnd = new Random();

    // Toss two numbers and an operation
    int num1 = rnd.Next(1, 100);
    int num2 = rnd.Next(1, 100);
    int operation = rnd.Next(1, 5);

    // Check operation and give user the equation accordingly
    if (operation == 1)
    {
        Console.WriteLine($"{num1} + {num2} = ");
        int answer = int.Parse(Console.ReadLine());
        if (answer == num1 + num2)
            correct++;
        else
            wrong++;
    }

    if (operation == 2)
    {
        Console.WriteLine($"{num1} - {num2} = ");
        int answer = int.Parse(Console.ReadLine());
        if (answer == num1 - num2)
            correct++;
        else
            wrong++;
    }

    if (operation == 3)
    {
        num2 = rnd.Next(1, 10);
        Console.WriteLine($"{num1} * {num2} = ");
    }
}
```

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        int answer = int.Parse(Console.ReadLine());
        if (answer == num1 * num2)
            correct++;
        else
            wrong++;
    }

    if (operation == 4)
    {
        num1 = rnd.Next(10, 99);
        num2 = rnd.Next(1, 10);
        Console.WriteLine($"{num1} / {num2} = ");
        int answer = int.Parse(Console.ReadLine());
        if (answer == num1 / num2)
            correct++;
        else
            wrong++;
    }
}

Console.WriteLine($"You answered {exercises} exercises.");
Console.WriteLine($"{correct} of them right! (:");
Console.WriteLine($"{wrong} of them wrong... :)");

// Calculate rounded final grade
double grade = Math.Round(((double) correct / exercises) * 100);
Console.WriteLine($"Your final grade is: {(grade)}");

// Check final grade and respond accordingly
if (grade > 90)
    Console.WriteLine($"Well Done {name}!");
else if (grade > 80)
    Console.WriteLine($"Very good {name}.");
else
    Console.WriteLine($"{name} you need to improve...");

```