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 answeres 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} = ");

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.Write($"Well Done {name}!");

else if (grade > 80)

Console.Write($"Very good {name}.");

else

Console.WriteLine($"{name} you need to improve...");