A cat with its mouth open

Description automatically generated

using System;

namespace ECE2310\_Project1

{

class Program

{

static void Main(string[] args)

{

Random rand = new Random();

int guess;

bool play = true;

menu();

while (play == true)

{

int number = rand.Next(1, 101);

guess = getInput();

while (guess != number)

{

if (guess > number)

{

Console.WriteLine("Number too big!");

}

else if (guess < number)

{

Console.WriteLine("Number too small!");

}

guess = getInput();

}

Console.WriteLine($"Congrats! {guess} was the right guess!");

play = false;

Console.Write("Do you want to play again? (y/n): ");

string choice = Convert.ToString(Console.ReadLine()).ToLower();

if (choice == "y")

{

play = true;

Console.WriteLine("---------------------------------");

Console.WriteLine("Generating new random number.....");

}

else

{

Console.WriteLine("---------------------------------");

Console.WriteLine("Thank you for playing! Goodbye!");

}

}

}

private static void menu()

{

Console.WriteLine("---------------------------------");

Console.WriteLine(" Guess the Number!");

Console.WriteLine("---------------------------------");

Console.WriteLine("Instructions: Guess for the number\nbetween 1 and 100.\nMost importantly, have fun!\nReady, set, go!");

Console.WriteLine("---------------------------------");

}

private static int getInput()

{

int guess;

Console.Write("Guess a number > ");

while (!Int32.TryParse(Console.ReadLine(), out guess) || guess > 100 || guess < 1)

{

Console.WriteLine("Input must be number between 1 and 100.");

Console.Write("Try again > ");

}

return guess;

}

}

}