A screen shot of a computer

Description automatically generated

using System;

namespace ECE2310\_HW07\_02

{

class Program

{

static void Main(string[] args)

{

int baseN = 2;

int power = 10;

int sum = 1;

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

Console.WriteLine("| Sigma & Power |");

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

Console.WriteLine("[+] Calculating :");

Console.Write($"> {sum}");

for (int i = 1; i <= power; i++)

{

sum += integerPower(baseN, i);

Console.Write($" + {integerPower(baseN, i)}");

}

Console.WriteLine($" = {sum}");

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

Console.WriteLine("Goodbye.");

}

static int integerPower(int baseN, int exponent)

{

// baseN ^ exponent

int res = 1;

for (int i = 0; i < exponent; i++)

{

res = res \* baseN;

}

return res;

}

}

}