**Code:**

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| // Problem 3. Some Factorials  // Find 100!, 171! and 250! Give all digits.  using System;  using System.Numerics;  class SomeFactorials  {  static void Main()  {  // declarations  BigInteger factorialI = 1; // BigInteger is the only data type able to store such big numbers  // logic - with each step we increase n!: \* i=1; \* i=2; \* i=3; etc.  for (int i = 1; i <= 250; i++)  {  factorialI \*= i;  // when the loop reaches i = 100, 171, and 250 respectively, we print  if (i == 100 || i == 171 || i == 250)  {  Console.WriteLine("The factorial of {0} is \n{1}\n", i, factorialI);  }  }  }  } |

**Output**

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| The factorial of 100 is  93326215443944152681699238856266700490715968264381621468592963895217599993229915608941463976156518286253697920827223758251185210916864000000000000000000000000  The factorial of 171 is  1241018070217667823424840524103103992616605577501693185388951803611996075221691752992751978120487585576464959501670387052809889858690710767331242032218484364310473577889968548278290754541561964852153468318044293239598173696899657235903947616152278558180061176365108428800000000000000000000000000000000000000000  The factorial of 250 is  3232856260909107732320814552024368470994843717673780666747942427112823747555111209488817915371028199450928507353189432926730931712808990822791030279071281921676527240189264733218041186261006832925365133678939089569935713530175040513178760077247933065402339006164825552248819436572586057399222641254832982204849137721776650641276858807153128978777672951913990844377478702589172973255150283241787320658188482062478582659808848825548800000000000000000000000000000000000000000000000000000000000000  Press any key to continue . . . |