PRIME NUMBER WITHOUT MATH.REMAINDER

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TextWindow.BackgroundColor="Darkcyan"

TextWindow.ForegroundColor="Black"

*'Determine the Prime Number for any positive integer ranger <=500*

*'FACTS*

*'Prime number is number that has exactly 2 factors only which is 1 and itself*

*'The only even prime number is 2. All other even numbers can be divided by 2.*

*'If the sum of a number's digits is a multiple of 3, that number can be divided by 3.*

*'No prime number greater than 5 ends in a 5. Any number greater than 5 that ends in a 5 can be divided by 5.*

*'Zero and 1 are not considered prime numbers.*

*'Except for 0 and 1, a number is either a prime number or a composite number. A composite number is defined as any number, greater than 1, that is not prime.*

TextWindow.Write("Please enter number : ")

num1=textwindow.Read()

TextWindow.WriteLine("The number you entered is " +num1)

**If** num1=1 **Then**

TextWindow.WriteLine("The number you entered is not prime number")

**EndIf**

**For** x=1 **To** num1-1 **step** 1

**For** y=1 **To** num1-1 **step** 1

**if** x\*y=num1 **Then**

TextWindow.WriteLine(x +" and " +y +" are factors for number " +num1)

isPrime=0

**EndIf**

**EndFor**

**EndFor**

**If** isPrime = 0 **Then**

TextWindow.WriteLine("The number is not prime number")

**Else**

TextWindow.WriteLine("The number is prime number")

**EndIf**