Ruby master - Feature #17834
Add a Bytes and BytesArray class that implement memoryview
04/26/2021 11:09 PM - dsisnero (Dominic Sisneros)

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**Description**

"this is a string".bytes should == Bytes.new('this is a string') # an immutable bytes object that implements memory view

bytestring = Bytes.new('this is a string')

mv = Fiddle::MemoryView.new(bytestring)
mv[0] # 116

similary String.new('this is a string').bytes == ByteArray.new('this is a string') # a mutable byte array object that implements memoryview, takes an optional encoding that uses current string encoding

ba = ByteArray.new('this is a string')
mv = Fiddle::MemoryView.new(ba)
mv[0] # 116
mv[0] = 120 # memoryview works on underlying object - changes mv.obj
ba.pack('C*').force_encoding('UTF-8') # 'xhis is a string'

also it would be good if String#bytes returns the new classes - (return something that implements memoryview) not just plain array or add a new %b literal that returns an immutable ByteString %b('this is a string')

**History**

#1 - 04/27/2021 08:57 AM - Eregon (Benoit Daloze)
- Description updated

#2 - 05/06/2021 02:22 PM - dsisnero (Dominic Sisneros)
- Description updated