```
<<interface>>
                          IMa c
+MAC_KEY_MATERIAL: String = "gnu.crypto.mac.key.material"
                                                                                  MacFactory
+TRUNCATED_SIZE: String = "gnu.crvpto.mac.truncated.size"
                                                                        +getInstance(name:String): IMac
+name(): String
                                                                        +getNames(): Set
+macSize(): int
+init(attributes:Map): void
+update(b:bvte): void
+update(in:bvte[].offset:int.length:int): void
                                                                                 HMacFactory
+digest(): byte[]
                                                                        +getInstance(name:String): IMac
+reset(): void
                                                                        +getNames(): Set
+selfTest(): boolean
+clone(): Object
                                                                                   MacInputStream
                           BaseMac
                                                                  +<<create>> MacInputStream(in:InputStream.mac:IMac)
                                                                  +getMac(): IMac
#name: String
                                                                  +setMac(mac:IMac): void
#underlvingHash: IMessageDigest
                                                                  +on(flag:boolean): void
#truncatedSize: int
                                                                  +read(): void
#<<create>> BaseMac(name:String)
                                                                  +read(buf:byte[],off:int,len:int): void
#<<create>> BaseMac(name:String,underlyingHash:IMessageDigest)
+name(): String
                                                                                    MacOutputStream
+macSize(): int
+update(b:bvte): void
                                                                  +<<create>> MacOutputStream(out:OutputStream.mac:IMac)
+update(in:byte[].offset:int.length:int): void
                                                                  +getMac(): IMac
+reset(): void
                                                                  +setMac(mac:IMac): void
+clone(): Object
                                                                  +on(flag:boolean): void
+init(attributes:Map): void
                                                                  +write(b:byte): void
+digest(): byte[]
                                                                  +write(buf:byte[],off:int,len:int): void
+selfTest(): boolean
                                                                                          HMac
                                                                  +USE_WITH_PKCS5_V2: String = "gnu.crypto.hmac.pkcs5"
                          TMMH16
                                                                  #macSize: int
                                                                  #blockSize: int
   +TAG_LENGTH: String = "gnu.crypto.mac.tmmh.tag.length"
                                                                  #ipadHash: IMessageDigest
   +KEYSTREAM: String = "gnu.crypto.mac.tmmh.keystream"
                                                                  #opadHash: IMessageDigest
   +PREFIX: String = "gnu.crypto.mac.tmmh.prefix"
                                                                  #ipad: byte[]
                                                                  #<<create>> HMac(underlyingHash:IMessageDigest)
                          UHash32
                                                                  +clone(): Object
                                                                  +init(attributes:Map): void
                                                                  +reset()
                         UMac32
                                                                  +digest(): byte[]
+NONCE_MATERIAL: String = "gnu.crypto.umac.nonce.material"
                                                                  +selfTest(): boolean
```