Austin Marino 4.38 UML Diagram

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| Encrypt |
| -initialNumber : int  -encryptedNumber : int |
| <<constructor>> Encrypt()  +setInitialNumber(initialNumber : int)  +encryptNumber()  +getEncryptedNumber() : int |

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| Decrypt |
| -initialNumber : int  -decryptedNumber : int |
| <<constructor>> Decrypt()  +setNumberToDecrypt(number : int)  +decryptNumber(decryptedNumber : int)  +getDecryptedNumber() : int |

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| Driver |
| -initialNumber : int  -intialNumberCheck1 : int  -initialNumberCheck2 : int  -encryptedNumber : int  -decryptedNumber : int  -Encrypt encryption = new Encrypt()  -Decrypt decryption = new Decrypt() |
| +main(String[] args)  +userInput()  +confirmInput()  +validateInitialNumber()  +setInitialNumber(number : int)  +passInitialNumber()  +startNumberEncryption()  +setEncryptedNumber()  +getEncryptedNumber() : int  +passEncryptedNumber()  +startNumberDecryption()  +setDecryptedNumber()  +getDecryptedNumber() : int |