

# Cryptography Suite

Source Code Documentation

Advanced Cryptography Application - Source Code Documentation



## File 1/223

CryptoApp.java

*Lines: 500 | Size: 24,581 bytes | Type: .java*

```
1 | import ciphers.*;
```

File 2/223

generate\_code\_pdf.py

Lines: 373 | Size: 12,930 bytes | Type: .py

```
1 | #!/usr/bin/env python3
```

File 3/223

PROJECT\_SOURCE\_CODE.txt

Lines: 9425 | Size: 306,717 bytes | Type: .txt

1 |

File 4/223

zip\_source.py

Lines: 28 | Size: 1,055 bytes | Type: .py

1 |

**File 5/223**

ciphers\A1Z26CipherPanel.java

*Lines: 53 | Size: 1,762 bytes | Type: .java*

```
1 | package ciphers;
```

**File 6/223**

ciphers\ADFGVXCipherPanel.java

*Lines: 245 | Size: 8,169 bytes | Type: .java*

```
1 | package ciphers;
```

**File 7/223**

ciphers\ADFGXCipherPanel.java

*Lines: 22 / Size: 636 bytes / Type: .java*

```
1 | package ciphers;
```



**File 8/223**

ciphers\AESCBCPanel.java

*Lines: 117 | Size: 4,140 bytes | Type: .java*

```
1 | package ciphers;
```

**File 9/223**

ciphers\AESCTRPanel.java

*Lines: 117 | Size: 4,137 bytes | Type: .java*

```
1 | package ciphers;
```

**File 10/223**

ciphers\AESGCMPanel.java

*Lines: 117 | Size: 4,207 bytes | Type: .java*

```
1 | package ciphers;
```

**File 11/223**

ciphers\AESPanel.java

*Lines: 61 | Size: 2,065 bytes | Type: .java*

```
1 | package ciphers;
```

**File 12/223**

ciphers\AffineCipherPanel.java

*Lines: 98 | Size: 3,178 bytes | Type: .java*

```
1 | package ciphers;
```

**File 13/223**

ciphers\AlbertiCipherPanel.java

*Lines: 22 / Size: 642 bytes / Type: .java*

```
1 | package ciphers;
```

**File 14/223**

ciphers\AlhambraCipherPanel.java

*Lines: 21 | Size: 644 bytes | Type: .java*

```
1 | package ciphers;
```

**File 15/223**

ciphers\AlliedShiftCipherPanel.java

*Lines: 24 | Size: 664 bytes | Type: .java*

```
1 | package ciphers;
```



**File 16/223**

ciphers\AlphanumericSubstitutionPanel.java

*Lines: 56 | Size: 1,770 bytes | Type: .java*

```
1 | package ciphers;
```

**File 17/223**

ciphers\AmericanCipherDiskPanel.java

*Lines: 21 | Size: 656 bytes | Type: .java*

```
1 | package ciphers;
```

**File 18/223**

ciphers\ARIAPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 19/223**

ciphers\ASCIIShiftCipherPanel.java

*Lines: 46 | Size: 1,394 bytes | Type: .java*

```
1 | package ciphers;
```

**File 20/223**

ciphers\AtbashCipherPanel.java

*Lines: 40 | Size: 1,128 bytes | Type: .java*

```
1 | package ciphers;
```

**File 21/223**

ciphers\AutokeyCipherPanel.java

*Lines: 61 | Size: 2,092 bytes | Type: .java*

```
1 | package ciphers;
```

**File 22/223**

ciphers\AutomaticSubstitutionPanel.java

*Lines: 21 | Size: 664 bytes | Type: .java*

```
1 | package ciphers;
```

**File 23/223**

ciphers\BaconianCipherPanel.java

*Lines: 51 | Size: 1,906 bytes | Type: .java*

```
1 | package ciphers;
```



**File 24/223**

ciphers\BaseCipherPanel.java

*Lines: 357 | Size: 13,119 bytes | Type: .java*

```
1 | package ciphers;
```

**File 25/223**

ciphers\BazeriesCipherPanel.java

*Lines: 22 / Size: 645 bytes / Type: .java*

```
1 | package ciphers;
```

**File 26/223**

ciphers\BealeCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 27/223**

ciphers\BeaufortCipherPanel.java

*Lines: 51 | Size: 1,528 bytes | Type: .java*

```
1 | package ciphers;
```

**File 28/223**

ciphers\BeaufortVariantCipherPanel.java

*Lines: 21 | Size: 666 bytes | Type: .java*

```
1 | package ciphers;
```

**File 29/223**

ciphers\BEEHCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 30/223**

ciphers\BellasoCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 31/223**

ciphers\BifidCipherPanel.java

*Lines: 22 / Size: 636 bytes / Type: .java*

```
1 | package ciphers;
```



**File 32/223**

ciphers\BinaryCipherPanel.java

*Lines: 45 | Size: 1,455 bytes | Type: .java*

```
1 | package ciphers;
```

**File 33/223**

ciphers\BlowfishPanel.java

*Lines: 116 | Size: 4,182 bytes | Type: .java*

```
1 | package ciphers;
```

**File 34/223**

ciphers\BookCipherPanel.java

*Lines: 22 / Size: 633 bytes / Type: .java*

```
1 | package ciphers;
```

**File 35/223**

ciphers\BruceCodePanel.java

*Lines: 21 | Size: 629 bytes | Type: .java*

```
1 | package ciphers;
```

**File 36/223**

ciphers\BurrowsWheelerCipherPanel.java

*Lines: 21 | Size: 663 bytes | Type: .java*

```
1 | package ciphers;
```

**File 37/223**

ciphers\BurrowsWheelerPanel.java

*Lines: 21 | Size: 643 bytes | Type: .java*

```
1 | package ciphers;
```

**File 38/223**

ciphers\CadenusCipherPanel.java

*Lines: 22 / Size: 642 bytes / Type: .java*

```
1 | package ciphers;
```

**File 39/223**

ciphers\CaesarCipherPanel.java

*Lines: 76 | Size: 2,405 bytes | Type: .java*

```
1 | package ciphers;
```



**File 40/223**

ciphers\CalypsoCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 41/223**

ciphers\CamelliaPanel.java

*Lines: 21 | Size: 625 bytes | Type: .java*

```
1 | package ciphers;
```

**File 42/223**

ciphers\CardanGrillePanel.java

*Lines: 21 | Size: 637 bytes | Type: .java*

```
1 | package ciphers;
```

**File 43/223**

ciphers\Cast128Panel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```

**File 44/223**

ciphers\Cast256Panel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```

**File 45/223**

ciphers\ChaCha20Panel.java

*Lines: 22 / Size: 626 bytes / Type: .java*

```
1 | package ciphers;
```

**File 46/223**

ciphers\ChaChaCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 47/223**

ciphers\ChaoCipherPanel.java

*Lines: 21 | Size: 632 bytes | Type: .java*

```
1 | package ciphers;
```



**File 48/223**

ciphers\ChineseRemainderCipherPanel.java

*Lines: 24 | Size: 697 bytes | Type: .java*

```
1 | package ciphers;
```

**File 49/223**

ciphers\ClefiPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 50/223**

ciphers\ColumnarTranspositionPanel.java

*Lines: 78 | Size: 2,697 bytes | Type: .java*

```
1 | package ciphers;
```

**File 51/223**

ciphers\CombinedCipherDiskPanel.java

*Lines: 21 | Size: 656 bytes | Type: .java*

```
1 | package ciphers;
```

**File 52/223**

ciphers\ConjugatedCipherPanel.java

*Lines: 21 | Size: 650 bytes | Type: .java*

```
1 | package ciphers;
```

**File 53/223**

ciphers\CopticCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 54/223**

ciphers\CramerShoupPanel.java

*Lines: 21 | Size: 634 bytes | Type: .java*

```
1 | package ciphers;
```

**File 55/223**

ciphers\CryptogramSubstitutionPanel.java

*Lines: 21 | Size: 667 bytes | Type: .java*

```
1 | package ciphers;
```



**File 56/223**

ciphers\DancingMenCipherPanel.java

*Lines: 21 | Size: 650 bytes | Type: .java*

```
1 | package ciphers;
```

**File 57/223**

ciphers\DESPanel.java

*Lines: 115 | Size: 4,070 bytes | Type: .java*

```
1 | package ciphers;
```

**File 58/223**

ciphers\DoubleColumnarTranspositionPanel.java

*Lines: 186 | Size: 6,016 bytes | Type: .java*

```
1 | package ciphers;
```

**File 59/223**

ciphers\DoubleDESPanel.java

*Lines: 145 | Size: 5,386 bytes | Type: .java*

```
1 | package ciphers;
```

**File 60/223**

ciphers\DoublePlayfairPanel.java

*Lines: 21 | Size: 643 bytes | Type: .java*

```
1 | package ciphers;
```

**File 61/223**

ciphers\DoubleTranspositionPanel.java

*Lines: 21 | Size: 658 bytes | Type: .java*

```
1 | package ciphers;
```

**File 62/223**

ciphers\DraconianShiftPanel.java

*Lines: 21 | Size: 643 bytes | Type: .java*

```
1 | package ciphers;
```

**File 63/223**

ciphers\E0BluetoothPanel.java

*Lines: 21 | Size: 634 bytes | Type: .java*

```
1 | package ciphers;
```



**File 64/223**

ciphers\ECBModePanel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```

**File 65/223**

ciphers\ECCPanel.java

*Lines: 21 | Size: 610 bytes | Type: .java*

```
1 | package ciphers;
```

**File 66/223**

ciphers\Edon80Panel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 67/223**

ciphers\EIGamalPanel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```

**File 68/223**

ciphers\EllipticCurveCipherECCPanel.java

*Lines: 21 | Size: 672 bytes | Type: .java*

```
1 | package ciphers;
```

**File 69/223**

ciphers\EnigmaMachinePanel.java

*Lines: 22 / Size: 642 bytes / Type: .java*

```
1 | package ciphers;
```

**File 70/223**

ciphers\ExponentialCipherPanel.java

*Lines: 21 | Size: 653 bytes | Type: .java*

```
1 | package ciphers;
```

**File 71/223**

ciphers\ExtendedVigenerePanel.java

*Lines: 21 | Size: 649 bytes | Type: .java*

```
1 | package ciphers;
```



**File 72/223**

ciphers\ExtendedVigenrePanel.java

*Lines: 21 | Size: 648 bytes | Type: .java*

```
1 | package ciphers;
```

**File 73/223**

ciphers\FialkaCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 74/223**

ciphers\FourSquareCipherPanel.java

*Lines: 29 / Size: 868 bytes / Type: .java*

```
1 | package ciphers;
```

**File 75/223**

ciphers\FractionatedMorsePanel.java

*Lines: 24 | Size: 688 bytes | Type: .java*

```
1 | package ciphers;
```

**File 76/223**

ciphers\FreemasonCipherPanel.java

*Lines: 22 / Size: 645 bytes / Type: .java*

```
1 | package ciphers;
```

**File 77/223**

ciphers\FrequencyCipherPanel.java

*Lines: 21 | Size: 647 bytes | Type: .java*

```
1 | package ciphers;
```

**File 78/223**

ciphers\FringeCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 79/223**

ciphers\GaderypolukiPanel.java

*Lines: 21 | Size: 637 bytes | Type: .java*

```
1 | package ciphers;
```



**File 80/223**

ciphers\GaloisCounterModePanel.java

*Lines: 21 | Size: 652 bytes | Type: .java*

```
1 | package ciphers;
```

**File 81/223**

ciphers\GEECipherPanel.java

*Lines: 21 | Size: 629 bytes | Type: .java*

```
1 | package ciphers;
```

**File 82/223**

ciphers\GIFTPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 83/223**

ciphers\GOSTPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 84/223**

ciphers\GrainPanel.java

*Lines: 21 | Size: 616 bytes | Type: .java*

```
1 | package ciphers;
```

**File 85/223**

ciphers\GrilleCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 86/223**

ciphers\GromarkCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 87/223**

ciphers\GronsfeldCipherPanel.java

*Lines: 69 | Size: 1,991 bytes | Type: .java*

```
1 | package ciphers;
```



**File 88/223**

ciphers\HagelinM209Panel.java

*Lines: 21 | Size: 636 bytes | Type: .java*

```
1 | package ciphers;
```

**File 89/223**

ciphers\HashBasedCipherPanel.java

*Lines: 21 | Size: 647 bytes | Type: .java*

```
1 | package ciphers;
```

**File 90/223**

ciphers\HashingPanel.java

*Lines: 48 | Size: 1,411 bytes | Type: .java*

```
1 | package ciphers;
```

**File 91/223**

ciphers\HebernRotorMachinePanel.java

*Lines: 21 | Size: 657 bytes | Type: .java*

```
1 | package ciphers;
```

**File 92/223**

ciphers\HebernRotorPanel.java

*Lines: 21 | Size: 634 bytes | Type: .java*

```
1 | package ciphers;
```

**File 93/223**

ciphers\HightPanel.java

*Lines: 21 | Size: 616 bytes | Type: .java*

```
1 | package ciphers;
```

**File 94/223**

ciphers\HillCipherPanel.java

*Lines: 106 | Size: 3,566 bytes | Type: .java*

```
1 | package ciphers;
```

**File 95/223**

ciphers\HMACBasedSystemsPanel.java

*Lines: 21 | Size: 651 bytes | Type: .java*

```
1 | package ciphers;
```



**File 96/223**

ciphers\HMACPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 97/223**

ciphers\HomophonicSubstitutionPanel.java

*Lines: 21 | Size: 667 bytes | Type: .java*

```
1 | package ciphers;
```

**File 98/223**

ciphers\HortonCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 99/223**

ciphers\HuffmanCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 100/223**

ciphers\IDEALCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 101/223**

ciphers\IDEAPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 102/223**

ciphers\IndirectSubstitutionPanel.java

*Lines: 21 | Size: 661 bytes | Type: .java*

```
1 | package ciphers;
```

**File 103/223**

ciphers\InversiveCipherPanel.java

*Lines: 21 | Size: 647 bytes | Type: .java*

```
1 | package ciphers;
```



**File 104/223**

ciphers\ISOStreamCiphersPanel.java

*Lines: 21 | Size: 651 bytes | Type: .java*

```
1 | package ciphers;
```

**File 105/223**

ciphers\ISOStreamPanel.java

*Lines: 21 | Size: 628 bytes | Type: .java*

```
1 | package ciphers;
```

**File 106/223**

ciphers\JCipherPanel.java

*Lines: 21 | Size: 623 bytes | Type: .java*

```
1 | package ciphers;
```

**File 107/223**

ciphers\JeffersonCylinderPanel.java

*Lines: 24 | Size: 688 bytes | Type: .java*

```
1 | package ciphers;
```

**File 108/223**

ciphers\JigsawCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 109/223**

ciphers\JN25Panel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 110/223**

ciphers\KahnCipherPanel.java

*Lines: 21 | Size: 632 bytes | Type: .java*

```
1 | package ciphers;
```

**File 111/223**

ciphers\KasiskiSystemPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```



**File 112/223**

ciphers\KasumiPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 113/223**

ciphers\KeyedCaesarPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 114/223**

ciphers\KeywordCipherPanel.java

*Lines: 59 | Size: 2,004 bytes | Type: .java*

```
1 | package ciphers;
```

**File 115/223**

ciphers\KleinPanel.java

*Lines: 21 | Size: 616 bytes | Type: .java*

```
1 | package ciphers;
```

**File 116/223**

ciphers\KlingonCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 117/223**

ciphers\KnapsackCipherPanel.java

*Lines: 22 / Size: 645 bytes / Type: .java*

```
1 | package ciphers;
```

**File 118/223**

ciphers\KyberPanel.java

*Lines: 21 | Size: 616 bytes | Type: .java*

```
1 | package ciphers;
```

**File 119/223**

ciphers\LatinSquareCipherPanel.java

*Lines: 22 / Size: 655 bytes / Type: .java*

```
1 | package ciphers;
```



**File 120/223**

ciphers\LavarandCipherPanel.java

*Lines: 21 | Size: 644 bytes | Type: .java*

```
1 | package ciphers;
```

**File 121/223**

ciphers\LBlockPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 122/223**

ciphers\LEDPanel.java

*Lines: 21 | Size: 610 bytes | Type: .java*

```
1 | package ciphers;
```

**File 123/223**

ciphers\LFSRCiphersPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 124/223**

ciphers\LinearSubstitutionPanel.java

*Lines: 21 | Size: 656 bytes | Type: .java*

```
1 | package ciphers;
```

**File 125/223**

ciphers\LogicalXORCipherPanel.java

*Lines: 21 | Size: 651 bytes | Type: .java*

```
1 | package ciphers;
```

**File 126/223**

ciphers\LorenzSZ40Panel.java

*Lines: 21 | Size: 631 bytes | Type: .java*

```
1 | package ciphers;
```

**File 127/223**

ciphers\M138CipherPanel.java

*Lines: 21 | Size: 633 bytes | Type: .java*

```
1 | package ciphers;
```



**File 128/223**

ciphers\M209Panel.java

*Lines: 22 / Size: 623 bytes / Type: .java*

```
1 | package ciphers;
```

**File 129/223**

ciphers\M94CipherPanel.java

*Lines: 21 | Size: 630 bytes | Type: .java*

```
1 | package ciphers;
```

**File 130/223**

ciphers\MACBaconCipherPanel.java

*Lines: 21 | Size: 645 bytes | Type: .java*

```
1 | package ciphers;
```

**File 131/223**

ciphers\MalbolgeEncryptionPanel.java

*Lines: 21 | Size: 656 bytes | Type: .java*

```
1 | package ciphers;
```

**File 132/223**

ciphers\MarsPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 133/223**

ciphers\MatrixCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 134/223**

ciphers\McEliecePanel.java

*Lines: 21 | Size: 625 bytes | Type: .java*

```
1 | package ciphers;
```

**File 135/223**

ciphers\MerkleHellmanPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```



**File 136/223**

ciphers\Misty1Panel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 137/223**

ciphers\ModularCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 138/223**

ciphers\MonoalphabeticSubstitutionPanel.java

*Lines: 21 | Size: 680 bytes | Type: .java*

```
1 | package ciphers;
```

**File 139/223**

ciphers\MorseCodePanel.java

*Lines: 59 | Size: 2,229 bytes | Type: .java*

```
1 | package ciphers;
```

**File 140/223**

ciphers\MyszkowskiTranspositionPanel.java

*Lines: 21 | Size: 671 bytes | Type: .java*

```
1 | package ciphers;
```

**File 141/223**

ciphers\NATOCODEPanel.java

*Lines: 21 | Size: 626 bytes | Type: .java*

```
1 | package ciphers;
```

**File 142/223**

ciphers\NihilistCipherPanel.java

*Lines: 22 / Size: 645 bytes / Type: .java*

```
1 | package ciphers;
```

**File 143/223**

ciphers\NoekeonPanel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```



**File 144/223**

ciphers\NTRUPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 145/223**

ciphers\NullCipherPanel.java

*Lines: 22 / Size: 633 bytes / Type: .java*

```
1 | package ciphers;
```

**File 146/223**

ciphers\NumberStationCiphersPanel.java

*Lines: 21 | Size: 663 bytes | Type: .java*

```
1 | package ciphers;
```

**File 147/223**

ciphers\ObfuscatedTranspositionPanel.java

*Lines: 21 | Size: 671 bytes | Type: .java*

```
1 | package ciphers;
```

**File 148/223**

ciphers\OctalCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 149/223**

ciphers\OneTimePadPanel.java

*Lines: 22 / Size: 634 bytes / Type: .java*

```
1 | package ciphers;
```

**File 150/223**

ciphers\OTARCipherPanel.java

*Lines: 21 | Size: 632 bytes | Type: .java*

```
1 | package ciphers;
```

**File 151/223**

ciphers\OutofBandCipherPanel.java

*Lines: 21 | Size: 649 bytes | Type: .java*

```
1 | package ciphers;
```



**File 152/223**

ciphers\PaddingOracleCipherPanel.java

*Lines: 21 | Size: 660 bytes | Type: .java*

```
1 | package ciphers;
```

**File 153/223**

ciphers\PanamaPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 154/223**

ciphers\PasigraphyCipherPanel.java

*Lines: 21 | Size: 650 bytes | Type: .java*

```
1 | package ciphers;
```

**File 155/223**

ciphers\PBKDF2BasedSystemsPanel.java

*Lines: 21 | Size: 657 bytes | Type: .java*

```
1 | package ciphers;
```

**File 156/223**

ciphers\PermutationCipherPanel.java

*Lines: 22 / Size: 654 bytes / Type: .java*

```
1 | package ciphers;
```

**File 157/223**

ciphers\PigpenCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```

**File 158/223**

ciphers\PlayfairCipherPanel.java

*Lines: 168 | Size: 4,956 bytes | Type: .java*

```
1 | package ciphers;
```

**File 159/223**

ciphers\PolybiusSquarePanel.java

*Lines: 68 | Size: 2,372 bytes | Type: .java*

```
1 | package ciphers;
```



**File 160/223**

ciphers\PortaCipherPanel.java

*Lines: 102 | Size: 3,494 bytes | Type: .java*

```
1 | package ciphers;
```

**File 161/223**

ciphers\PresentPanel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```

**File 162/223**

ciphers\PrimeNumberCipherPanel.java

*Lines: 21 | Size: 654 bytes | Type: .java*

```
1 | package ciphers;
```

**File 163/223**

ciphers\PrincePanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 164/223**

ciphers\PSKCipherPanel.java

*Lines: 21 | Size: 629 bytes | Type: .java*

```
1 | package ciphers;
```

**File 165/223**

ciphers\PufferfishCipherPanel.java

*Lines: 21 | Size: 650 bytes | Type: .java*

```
1 | package ciphers;
```

**File 166/223**

ciphers\QuadraticCipherPanel.java

*Lines: 21 | Size: 647 bytes | Type: .java*

```
1 | package ciphers;
```

**File 167/223**

ciphers\QuagmireIIVPanel.java

*Lines: 21 | Size: 636 bytes | Type: .java*

```
1 | package ciphers;
```



**File 168/223**

ciphers\QuantumCiphersPanel.java

*Lines: 21 | Size: 644 bytes | Type: .java*

```
1 | package ciphers;
```

**File 169/223**

ciphers\RabbitPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 170/223**

ciphers\RailFenceCipherPanel.java

*Lines: 97 | Size: 2,953 bytes | Type: .java*

```
1 | package ciphers;
```

**File 171/223**

ciphers\RandomSubstitutionPanel.java

*Lines: 21 | Size: 656 bytes | Type: .java*

```
1 | package ciphers;
```

**File 172/223**

ciphers\RC2Panel.java

*Lines: 116 | Size: 4,093 bytes | Type: .java*

```
1 | package ciphers;
```

**File 173/223**

ciphers\RC4Panel.java

*Lines: 78 | Size: 2,541 bytes | Type: .java*

```
1 | package ciphers;
```

**File 174/223**

ciphers\RC5Panel.java

*Lines: 21 | Size: 610 bytes | Type: .java*

```
1 | package ciphers;
```

**File 175/223**

ciphers\RC6Panel.java

*Lines: 21 | Size: 610 bytes | Type: .java*

```
1 | package ciphers;
```



**File 176/223**

ciphers\RectanglePanel.java

*Lines: 21 | Size: 628 bytes | Type: .java*

```
1 | package ciphers;
```

**File 177/223**

ciphers\RedefenseCipherPanel.java

*Lines: 21 | Size: 647 bytes | Type: .java*

```
1 | package ciphers;
```

**File 178/223**

ciphers\RivestCiphersPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 179/223**

ciphers\ROT13Panel.java

*Lines: 42 | Size: 1,215 bytes | Type: .java*

```
1 | package ciphers;
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**File 180/223**

ciphers\ROT1ROT47Panel.java

*Lines: 21 | Size: 629 bytes | Type: .java*

```
1 | package ciphers;
```

**File 181/223**

ciphers\RSAPanel.java

*Lines: 67 | Size: 2,136 bytes | Type: .java*

```
1 | package ciphers;
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**File 182/223**

ciphers\Salsa20Panel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
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**File 183/223**

ciphers\ScytaleCipherPanel.java

*Lines: 73 | Size: 2,184 bytes | Type: .java*

```
1 | package ciphers;
```



**File 184/223**

ciphers\SeedPanel.java

*Lines: 21 | Size: 613 bytes | Type: .java*

```
1 | package ciphers;
```

**File 185/223**

ciphers\SerpentPanel.java

*Lines: 21 | Size: 622 bytes | Type: .java*

```
1 | package ciphers;
```

**File 186/223**

ciphers\SHABasedCiphersPanel.java

*Lines: 21 | Size: 648 bytes | Type: .java*

```
1 | package ciphers;
```

**File 187/223**

ciphers\ShiftCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 188/223**

ciphers\SIGABAPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 189/223**

ciphers\SimonPanel.java

*Lines: 21 | Size: 616 bytes | Type: .java*

```
1 | package ciphers;
```

**File 190/223**

ciphers\SimpleSubstitutionPanel.java

*Lines: 89 | Size: 2,750 bytes | Type: .java*

```
1 | package ciphers;
```

**File 191/223**

ciphers\SkipjackPanel.java

*Lines: 22 / Size: 626 bytes / Type: .java*

```
1 | package ciphers;
```



**File 192/223**

ciphers\Snow3GPanel.java

*Lines: 21 | Size: 619 bytes | Type: .java*

```
1 | package ciphers;
```

**File 193/223**

ciphers\SolitaireCipherPanel.java

*Lines: 22 / Size: 648 bytes / Type: .java*

```
1 | package ciphers;
```

**File 194/223**

ciphers\SonofPermutationPanel.java

*Lines: 21 | Size: 651 bytes | Type: .java*

```
1 | package ciphers;
```

**File 195/223**

ciphers\SpartanScytalePanel.java

*Lines: 21 | Size: 644 bytes | Type: .java*

```
1 | package ciphers;
```

**File 196/223**

ciphers\SpeckPanel.java

*Lines: 21 | Size: 616 bytes | Type: .java*

```
1 | package ciphers;
```

**File 197/223**

ciphers\SPNNetworkPanel.java

*Lines: 21 | Size: 632 bytes | Type: .java*

```
1 | package ciphers;
```

**File 198/223**

ciphers\StraddlingCheckerboardPanel.java

*Lines: 24 | Size: 703 bytes | Type: .java*

```
1 | package ciphers;
```

**File 199/223**

ciphers\StreamCipherPanel.java

*Lines: 21 | Size: 638 bytes | Type: .java*

```
1 | package ciphers;
```



**File 200/223**

ciphers\SwagmanCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 201/223**

ciphers\TabulaRectaPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 202/223**

ciphers\TapCodePanel.java

*Lines: 21 | Size: 623 bytes | Type: .java*

```
1 | package ciphers;
```

**File 203/223**

ciphers\TEAPanel.java

*Lines: 21 | Size: 610 bytes | Type: .java*

```
1 | package ciphers;
```

**File 204/223**

ciphers\TemplarCipherPanel.java

*Lines: 21 | Size: 641 bytes | Type: .java*

```
1 | package ciphers;
```

**File 205/223**

ciphers\ThreeSquareCipherPanel.java

*Lines: 21 | Size: 654 bytes | Type: .java*

```
1 | package ciphers;
```

**File 206/223**

ciphers\TrifidCipherPanel.java

*Lines: 22 / Size: 639 bytes / Type: .java*

```
1 | package ciphers;
```

**File 207/223**

ciphers\TripleDESPanel.java

*Lines: 116 | Size: 4,138 bytes | Type: .java*

```
1 | package ciphers;
```



**File 208/223**

ciphers\TrithemeCipherPanel.java

*Lines: 37 | Size: 1,108 bytes | Type: .java*

```
1 | package ciphers;
```

**File 209/223**

ciphers\TwofishPanel.java

*Lines: 27 | Size: 719 bytes | Type: .java*

```
1 | package ciphers;
```

**File 210/223**

ciphers\TypexCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 211/223**

ciphers\UltraCipherPanel.java

*Lines: 21 | Size: 635 bytes | Type: .java*

```
1 | package ciphers;
```

**File 212/223**

ciphers\VernamCipherPanel.java

*Lines: 50 | Size: 1,446 bytes | Type: .java*

```
1 | package ciphers;
```

**File 213/223**

ciphers\VigenereCipherPanel.java

*Lines: 76 | Size: 2,418 bytes | Type: .java*

```
1 | package ciphers;
```

**File 214/223**

ciphers\XORCipherPanel.java

*Lines: 48 | Size: 1,304 bytes | Type: .java*

```
1 | package ciphers;
```

**File 215/223****components\AnimatedSidebarButton.java***Lines: 137 | Size: 4,747 bytes | Type: .java*

```
1 | package components;
```



File 216/223

components\CardPanel.java

Lines: 30 | Size: 870 bytes | Type: .java

```
1 | package components;
```

**File 217/223**

components\ContentPanel.java

*Lines: 84 | Size: 2,563 bytes | Type: .java*

```
1 | package components;
```

**File 218/223****components\CyberBackground.java***Lines: 101 | Size: 3,245 bytes | Type: .java*

```
1 | package components;
```

**File 219/223**

components\DarkScrollPane.java

*Lines: 39 | Size: 1,134 bytes | Type: .java*

```
1 | package components;
```

File 220/223

components\NeonButton.java

Lines: 59 | Size: 1,894 bytes | Type: .java

```
1 | package components;
```

File 221/223

components\PerformanceGraph.java

Lines: 91 | Size: 2,780 bytes | Type: .java

```
1 | package components;
```

File 222/223

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Lines: 83 | Size: 2,814 bytes | Type: .java

```
1 | package components;
```

File 223/223

components\Theme.java

Lines: 23 | Size: 1,130 bytes | Type: .java

```
1 | package components;
```



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