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| --- | --- | --- | --- | --- |
| **Test Case ID** | **Input** | **Expected Output** | **Actual Output** | **Status Pass/Fail** |
| **1** | hello | Key: 2437930747100193950173175830866221326659374263401053633853  Encrypted Key: 132527925246892646427465822721517299153389191092013  Encrypted Message: Fk0BjMToM9nhvhjUwWFklw  Re-Encrypted Key: 28273980851437043626486532384011678579407072789980023178429877  Decrypted Key: 2437930747100193950173175830866221326659374263401053633853  Decrypted Message:  hello | Key: 2437930747100193950173175830866221326659374263401053633853  Encrypted Key: 132527925246892646427465822721517299153389191092013  Encrypted Message: Fk0BjMToM9nhvhjUwWFklw  Re-Encrypted Key: 28273980851437043626486532384011678579407072789980023178429877  Decrypted Key: 2437930747100193950173175830866221326659374263401053633853  Decrypted Message:  hello | Pass |
| **2** | good morning | Key: 1969576072201404451462083572086205842808482433390231371069  Encrypted Key: 583500446314494633177817598820249229705679099843820798528885139  Encrypted Message: jvucipodd/VVodDHr454GQ==  Re-Encrypted Key: 232819631715195789287047791432765974864419882557532536  Decrypted Key: 1969576072201404451462083572086205842808482433390231371069  Decrypted Message:  good morning | Key: 1969576072201404451462083572086205842808482433390231371069  Encrypted Key: 583500446314494633177817598820249229705679099843820798528885139  Encrypted Message: jvucipodd/VVodDHr454GQ==  Re-Encrypted Key: 232819631715195789287047791432765974864419882557532536  Decrypted Key: 1969576072201404451462083572086205842808482433390231371069  Decrypted Message:  good morning | Pass |
| **3** | Gokaraju rangaraju | Key: 1967935833247196411198920799501049635294899812395471945021  Encrypted Key: 6383573172364329497329577231016219468683853291302040443160556  Encrypted Message: CzQDC9XI9nJPoBqf0Lt9krXKSxEoM5Ui+rK3  Re-Encrypted Key: 29001393521798248915540455370728478  Decrypted Key: 1967935833247196411198920799501049635294899812395471945021  Decrypted Message:  Gokaraju rangaraju | Key: 1967935833247196411198920799501049635294899812395471945021  Encrypted Key: 6383573172364329497329577231016219468683853291302040443160556  Encrypted Message: CzQDC9XI9nJPoBqf0Lt9krXKSxEoM5Ui+rK3  Re-Encrypted Key: 29001393521798248915540455370728478  Decrypted Key: 1967935833247196411198920799501049635294899812395471945021  Decrypted Message:  Gokaraju rangaraju | Pass |
| **4** | Arigato | Key: 2876039659243839881553417285037655557058393064481953889597  Encrypted Key: 294839983969004239396062847935100011435723131663317395  Encrypted Message: WI3Ouxepaxon4UwSDLAhqg==  Re-Encrypted Key: 47695614677393893414762650775976367725588128605655642245  Decrypted Key: 2876039659243839881553417285037655557058393064481953889597  Decrypted Message:  Arigato | Key: 2876039659243839881553417285037655557058393064481953889597  Encrypted Key: 294839983969004239396062847935100011435723131663317395  Encrypted Message: WI3Ouxepaxon4UwSDLAhqg==  Re-Encrypted Key: 47695614677393893414762650775976367725588128605655642245  Decrypted Key: 2876039659243839881553417285037655557058393064481953889597  Decrypted Message:  Arigato | Pass |
| **5** | secret | Key: 2439196537741295435168188837342790752074715578895622552893  Encrypted Key: 585776142533620238436095928764467692126002295312810608885362  Encrypted Message: xJJ822AOtpz2fevTXh4PNw==  Re-Encrypted Key: 19887983111049517303385463919012723073995466927683562258  Decrypted Key: 2439196537741295435168188837342790752074715578895622552893  Decrypted Message:  secret | Key: 2439196537741295435168188837342790752074715578895622552893  Encrypted Key: 585776142533620238436095928764467692126002295312810608885362  Encrypted Message: xJJ822AOtpz2fevTXh4PNw==  Re-Encrypted Key: 19887983111049517303385463919012723073995466927683562258  Decrypted Key: 2439196537741295435168188837342790752074715578895622552893  Decrypted Message:  secret | Pass |
| **6** | welcome | Key: 2090559406955569216266422575659316674093848370822311394621  Encrypted Key: 12542282250676085266955384913825775101078385621858797273  Encrypted Message: BUEppc6zdQVtToMXp4iJlQ==  Re-Encrypted Key: 11028663392300980505444851343531452400097984469356404412856920  Decrypted Key: 2090559406955569216266422575659316674093848370822311394621  Decrypted Message:  welcome | Key: 2090559406955569216266422575659316674093848370822311394621  Encrypted Key: 12542282250676085266955384913825775101078385621858797273  Encrypted Message: BUEppc6zdQVtToMXp4iJlQ==  Re-Encrypted Key: 11028663392300980505444851343531452400097984469356404412856920  Decrypted Key: 2090559406955569216266422575659316674093848370822311394621  Decrypted Message:  welcome | Pass |
| **7** | Mission | Key: 2581330224693717827974775392288750898761279185007838051645  Encrypted Key: 309854345617037606554874081713286835242722431644220170298210  Encrypted Message: EPdb7MAyJVNN5+u7F3j90g==  Re-Encrypted Key: 467068849023177029339396387743622872678338201633644478460  Decrypted Key: 2581330224693717827974775392288750898761279185007838051645  Decrypted Message:  Mission | Key: 2581330224693717827974775392288750898761279185007838051645  Encrypted Key: 309854345617037606554874081713286835242722431644220170298210  Encrypted Message: EPdb7MAyJVNN5+u7F3j90g==  Re-Encrypted Key: 467068849023177029339396387743622872678338201633644478460  Decrypted Key: 2581330224693717827974775392288750898761279185007838051645  Decrypted Message:  Mission | Pass |