Test1: periodOf40Months

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: A  LoanSize: 100.000  downPayment: 20000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | CreditRating: A  LoanSize: 100.000  downPayment: 20000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15  totalInterestRate: 11  monthlyDownPayment: 2220  apr: |

Test2: periodOf20Months

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: A  LoanSize: 100.000  downPayment: 20000  bankRate: 8  paymentPeriodInMonths: 20  startDate: 1.15 | CreditRating: A  LoanSize: 100.000  downPayment: 20000  bankRate: 8  paymentPeriodInMonths: 20  startDate: 1.15  totalInterestRate: 10  monthlyDownPayment: 4400  apr: |

Test3: downPaymentBelowLimit

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: A  LoanSize: 100.000  downPayment: 10000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | CreditRating: A  LoanSize: 100.000  downPayment: 10000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15  totalInterestRate: 12  monthlyDownPayment: 2520  apr: |

Test4: downPaymentAboveLimit

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: A  LoanSize: 100.000  downPayment: 30000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | CreditRating: A  LoanSize: 100.000  downPayment: 30000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15  totalInterestRate: 12  monthlyDownPayment: 1942.5  apr: |

Test5: downPaymentAbove50%

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: A  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | CreditRating: A  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15  totalInterestRate: 10  monthlyDownPayment: 1750  apr: |

Test6: creditRatingB

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: B  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | CreditRating: B  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15  totalInterestRate: 11  monthlyDownPayment: 2220  apr: |

Test7: creditRatingC

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: C  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | CreditRating: C  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15  totalInterestRate: 11  monthlyDownPayment: 2240  apr: |

Test8: creditRatingD

|  |  |
| --- | --- |
| **input** | **output** |
| CreditRating: C  LoanSize: 100.000  downPayment: 60000  bankRate: 8  paymentPeriodInMonths: 40  startDate: 1.15 | Rejected |