**UNIT TEST**

**Testcase : 1**

**{**

**"loanAmount": 500000,**

**"tenure": 4,**

**"rateOfInterest": 7.5,**

**"repaymentType": "weekly"**

**}**

**Response :**

**{**

**"schedule": [**

**{**

**"sno": 1,**

**"date": "02-02-2025",**

**"day": "SUNDAY",**

**"outstandingStart": 376165.79,**

**"dueInterest": 3125,**

**"emi": 126959.21,**

**"outstandingEnd": 252331.58054568342**

**},**

**{**

**"sno": 2,**

**"date": "09-02-2025",**

**"day": "SUNDAY",**

**"outstandingStart": 251557.62,**

**"dueInterest": 2351.04,**

**"emi": 126959.21,**

**"outstandingEnd": 126949.44673659393**

**},**

**{**

**"sno": 3,**

**"date": "16-02-2025",**

**"day": "SUNDAY",**

**"outstandingStart": 126170.64,**

**"dueInterest": 1572.24,**

**"emi": 126959.21,**

**"outstandingEnd": 783.6656536976521**

**},**

**{**

**"sno": 4,**

**"date": "23-02-2025",**

**"day": "SUNDAY",**

**"outstandingStart": 0,**

**"dueInterest": 788.57,**

**"emi": 126959.21,**

**"outstandingEnd": -126170.64293596674**

**}**

**],**

**"error": null**

**}**

**TestCase : 2**

**{**

**"loanAmount": 500000,**

**"tenure": 4,**

**"rateOfInterest": 7.5,**

**"repaymentType": "asle"**

**}**

**Response :**

**{**

**"schedule": null,**

**"error": [**

**{**

**"field": "repaymentType",**

**"message": "Repayment type must be 'weekly' or 'monthly'."**

**}**

**]**

**}**

**TestCase : 3**

**{**

**"loanAmount": 500000,**

**"tenure": 0,**

**"rateOfInterest": 7.5,**

**"repaymentType": "monthly"**

**}**

**Response :**

**{**

**"schedule": null,**

**"error": [**

**{**

**"field": "tenure",**

**"message": "Tenure must be at least 1 month."**

**}**

**]**

**}**

**Testcase : 4**

**{**

**"loanAmount": 500000,**

**"tenure": 3,**

**"rateOfInterest": 7.5,**

**"repaymentType": "monthly"**

**}**

**Response :**

**{**

**"schedule": [**

**{**

**"sno": 1,**

**"date": "26-02-2025",**

**"day": "WEDNESDAY",**

**"outstandingStart": 334370.67,**

**"dueInterest": 3125.0,**

**"emi": 168754.33,**

**"outstandingEnd": 168741.3432573355**

**},**

**{**

**"sno": 2,**

**"date": "26-03-2025",**

**"day": "WEDNESDAY",**

**"outstandingStart": 167706.16,**

**"dueInterest": 2089.82,**

**"emi": 168754.33,**

**"outstandingEnd": 1041.6499651938468**

**},**

**{**

**"sno": 3,**

**"date": "26-04-2025",**

**"day": "SATURDAY",**

**"outstandingStart": 0.0,**

**"dueInterest": 1048.16,**

**"emi": 168754.33,**

**"outstandingEnd": -167706.1632225237**

**}**

**],**

**"error": null**

**}**