**Test suite for Indian Income tax for salaried person**

Test cases for new regime calculation:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Input | Expected Output | Output |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ==== | ================== | Amount | Age | Income Tax | Surcharge | Income Tax | Surcharge |
| 1 | 0 - 250000 | 100000 | 0 | 0 | 0 | 0 | 0 |
| 2 | 250000 - 500000 | 300000 | 0 | 15000 | 0 | 15000 | 0 |
| 3 | 500000 - 750000 | 600000 | 0 | 22500 | 0 | 22500 | 0 |
| 4 | 750000 - 1000000 | 800000 | 0 | 45000 | 0 | 45000 | 0 |
| 5 | 1000000 - 1250000 | 1200000 | 0 | 115000 | 0 | 115000 | 0 |
| 6 | 1250000 - 1500000 | 1400000 | 0 | 162500 | 0 | 162500 | 0 |
| 7 | 1500000 - 5000000 | 2500000 | 0 | 487500 | 0 | 487500 | 0 |
| 8 | 5000000 - 10000000 | 7500000 | 0 | 1987500 | 198750 | 1987500 | 198750 |
| 9 | 10000000 - 20000000 | 15000000 | 0 | 4237500 | 635625 | 4237500 | 635625 |
| 10 | 20000000 - 50000000 | 25000000 | 0 | 7237500 | 1809375 | 7237500 | 1809375 |
| 11 | 50000000 & above | 75000000 | 0 | 22237500 | 8227875 | 22237500 | 8227875 |

Test cases for old regime calculation:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Input | Expected Output | Output |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ==== | ================== | Amount | Age | Income Tax | Surcharge | Income Tax | Surcharge |
| 1 | 0 - 250000 | 100000 | 25 | 0 | 0 | 0 | 0 |
| 2 | 0 - 300000 | 275000 | 68 | 0 | 0 | 0 | 0 |
| 3 | 0 - 500000 | 450000 | 83 | 0 | 0 | 0 | 0 |
| 4 | 300000 - 500000 | 400000 | 70 | 20000 | 0 | 20000 | 0 |
| 5 | 250000 - 500000 | 300000 | 45 | 15000 | 0 | 15000 | 0 |
| 6 | 500000 - 750000 | 600000 | 25 | 32500 | 0 | 32500 | 0 |
| 7 | 750000 - 1000000 | 800000 | 43 | 72500 | 0 | 72500 | 0 |
| 8 | 1000000 - 1250000 | 1200000 | 70 | 172500 | 0 | 172500 | 0 |
| 9 | 1250000 - 1500000 | 1400000 | 38 | 232500 | 0 | 232500 | 0 |
| 10 | 1500000 - 5000000 | 2500000 | 90 | 562500 | 0 | 562500 | 0 |
| 11 | 5000000 - 10000000 | 7500000 | 63 | 2062500 | 206250 | 2062500 | 206250 |
| 12 | 10000000 - 20000000 | 15000000 | 56 | 4312500 | 646875 | 4312500 | 646875 |
| 13 | 20000000 - 50000000 | 25000000 | 32 | 7312500 | 1828125 | 7312500 | 1828125 |
| 14 | 50000000 & above | 75000000 | 65 | 22050000 | 8255625 | 22050000 | 8255625 |

Test cases for error:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | Scenario | Input | Expected Output | Output |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ==== | ================== | Amount | Age | Income Tax | Surcharge | Income Tax | Surcharge |
| 1 | Amount <= 0 | 0 | 0 | This is not a Taxable Amount | | This is not a Taxable Amount | |
| 2 | Age <= 0 with old regime | 1000000 | 0 (selected old regime) | You didn't entered a valid age | | You didn't entered a valid age | |
| 3 | Not selected any regime | 200000 | 69 | You haven't selected any regime | | You haven't selected any regime | |