

---

Tested with `values`

```
1 >>> values = [2_000,600,6_000,16_000,50_000,60_000]
2 >>> for val in values:
3     ...     print(f"{val}: {income_tax(val)}")
4 2000: 256.15
5 600: 14.3
6 6000: 1133.0
7 16000: 3633.0
8 50000: 13631.15
9 60000: 17131.15
```

- 2000 was chosen to check correctness with the question.
- 600 was chosen to check the bracket  $512 \leq \text{gross} \leq 642$
- 6000 was chosen to check the bracket  $642 \leq \text{gross} \leq 3642$
- 16000 was chosen to check the bracket  $3642 \leq \text{gross} \leq 20037$
- 50000 was chosen to check the bracket  $20037 \leq \text{gross} \leq 50000$
- 60000 was chosen to check the bracket  $\text{gross} > 50000$