

```
# Personal Income Tax Calculator (2009)
```

```
# Prompt user for filing status
```

```
print("Filing Status:")
```

```
print("0 - Single")
```

```
print("1 - Married Filing Jointly or Qualifying Widow(er)")
```

```
print("2 - Married Filing Separately")
```

```
print("3 - Head of Household")
```

```
status = int(input("Enter your filing status: "))
```

```
income = float(input("Enter your taxable income: "))
```

```
tax = 0.0
```

```
# Single filer
```

```
if status == 0:
```

```
    if income <= 8350:
```

```
        tax = income * 0.10
```

```
    elif income <= 33950:
```

```
        tax = 8350 * 0.10 + (income - 8350) * 0.15
```

```
    elif income <= 82250:
```

```
        tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (income - 33950) * 0.25
```

```
    elif income <= 171550:
```

```
        tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (82250 - 33950) * 0.25 + (income - 82250)
```

```
* 0.28
```

```
    elif income <= 372950:
```

```
        tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (82250 - 33950) * 0.25 + (171550 - 82250)
```

```
* 0.28 + (income - 171550) * 0.33
```

```
else:
```

```
tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (82250 - 33950) * 0.25 + (171550 - 82250)
* 0.28 + (372950 - 171550) * 0.33 + (income - 372950) * 0.35
```

```
# Married Filing Jointly or Qualifying Widow(er)
```

```
elif status == 1:
```

```
if income <= 16700:
```

```
    tax = income * 0.10
```

```
elif income <= 67900:
```

```
    tax = 16700 * 0.10 + (income - 16700) * 0.15
```

```
elif income <= 137050:
```

```
    tax = 16700 * 0.10 + (67900 - 16700) * 0.15 + (income - 67900) * 0.25
```

```
elif income <= 208850:
```

```
    tax = 16700 * 0.10 + (67900 - 16700) * 0.15 + (137050 - 67900) * 0.25 + (income -
137050) * 0.28
```

```
elif income <= 372950:
```

```
    tax = 16700 * 0.10 + (67900 - 16700) * 0.15 + (137050 - 67900) * 0.25 + (208850 -
137050) * 0.28 + (income - 208850) * 0.33
```

```
else:
```

```
    tax = 16700 * 0.10 + (67900 - 16700) * 0.15 + (137050 - 67900) * 0.25 + (208850 -
137050) * 0.28 + (372950 - 208850) * 0.33 + (income - 372950) * 0.35
```

```
# Married Filing Separately
```

```
elif status == 2:
```

```
if income <= 8350:
```

```
    tax = income * 0.10
```

```
elif income <= 33950:
```

```
    tax = 8350 * 0.10 + (income - 8350) * 0.15
```

```
elif income <= 68525:
```

```
    tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (income - 33950) * 0.25
```

```

    elif income <= 104425:
        tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (68525 - 33950) * 0.25 + (income - 68525)
        * 0.28

    elif income <= 186475:
        tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (68525 - 33950) * 0.25 + (104425 - 68525)
        * 0.28 + (income - 104425) * 0.33

    else:
        tax = 8350 * 0.10 + (33950 - 8350) * 0.15 + (68525 - 33950) * 0.25 + (104425 - 68525)
        * 0.28 + (186475 - 104425) * 0.33 + (income - 186475) * 0.35

# Head of Household

elif status == 3:
    if income <= 11950:
        tax = income * 0.10

    elif income <= 45500:
        tax = 11950 * 0.10 + (income - 11950) * 0.15

    elif income <= 117450:
        tax = 11950 * 0.10 + (45500 - 11950) * 0.15 + (income - 45500) * 0.25

    elif income <= 190200:
        tax = 11950 * 0.10 + (45500 - 11950) * 0.15 + (117450 - 45500) * 0.25 + (income -
        117450) * 0.28

    elif income <= 372950:
        tax = 11950 * 0.10 + (45500 - 11950) * 0.15 + (117450 - 45500) * 0.25 + (190200 -
        117450) * 0.28 + (income - 190200) * 0.33

    else:
        tax = 11950 * 0.10 + (45500 - 11950) * 0.15 + (117450 - 45500) * 0.25 + (190200 -
        117450) * 0.28 + (372950 - 190200) * 0.33 + (income - 372950) * 0.35

else:
    print("Invalid filing status")

```

```
print("Your personal income tax is:", tax)
```