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# Personal Income Tax Calculator (2009)
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```
# Prompt user for filing status
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```
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:
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```
    If income <= 8350:
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```
        Tax = income * 0.10
```

```
    Else if income <= 33950:
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```
        Tax = 8350 * 0.10 + (income – 8350) * 0.15
```

```
    Else if income <= 82250:
```

```
        Tax = 8350 * 0.10 + (33950 – 8350) * 0.15 + (income – 33950) * 0.25
```

```
    Else if income <= 171550:
```

```
        Tax = 8350 * 0.10 + (33950 – 8350) * 0.15 + (82250 – 33950) * 0.25 + (income – 82250) * 0.28
```

```
    Else if income <= 372950:
```

```
        Tax = 8350 * 0.10 + (33950 – 8350) * 0.15 + (82250 – 33950) * 0.25 + (171550 – 82250) * 0.28 + (income – 171550) * 0.33
```

```
    Else:
```

$$\text{Tax} = 8350 * 0.10 + (33950 - 8350) * 0.15 + (82250 - 33950) * 0.25 + (171550 - 82250) * 0.28 + (372950 - 171550) * 0.33 + (\text{income} - 372950) * 0.35$$

Married Filing Jointly or Qualifying Widow(er)

If status == 1:

If income <= 16700:

$$\text{Tax} = \text{income} * 0.10$$

Else if income <= 67900:

$$\text{Tax} = 16700 * 0.10 + (\text{income} - 16700) * 0.15$$

Elseif income <= 137050:

$$\text{Tax} = 16700 * 0.10 + (67900 - 16700) * 0.15 + (\text{income} - 67900) * 0.25$$

Elseif income <= 208850:

$$\text{Tax} = 16700 * 0.10 + (67900 - 16700) * 0.15 + (137050 - 67900) * 0.25 + (\text{income} - 137050) * 0.28$$

Elseif income <= 372950:

$$\text{Tax} = 16700 * 0.10 + (67900 - 16700) * 0.15 + (137050 - 67900) * 0.25 + (208850 - 137050) * 0.28 + (\text{income} - 208850) * 0.33$$

Else:

$$\text{Tax} = 16700 * 0.10 + (67900 - 16700) * 0.15 + (137050 - 67900) * 0.25 + (208850 - 137050) * 0.28 + (372950 - 208850) * 0.33 + (\text{income} - 372950) * 0.35$$

Married Filing Separately

If status == 2:

If income <= 8350:

$$\text{Tax} = \text{income} * 0.10$$

Elseif income <= 33950:

$$\text{Tax} = 8350 * 0.10 + (\text{income} - 8350) * 0.15$$

Elseif income <= 68525:

$$\text{Tax} = 8350 * 0.10 + (33950 - 8350) * 0.15 + (\text{income} - 33950) * 0.25$$

Elseif income <= 104425:

Tax = 8350 * 0.10 + (33950 – 8350) * 0.15 + (68525 – 33950) * 0.25 + (income – 68525) * 0.28

Elseif 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

If status == 3:

If income <= 11950:

Tax = income * 0.10

Elseif income <= 45500:

Tax = 11950 * 0.10 + (income – 11950) * 0.15

Elseif income <= 117450:

Tax = 11950 * 0.10 + (45500 – 11950) * 0.15 + (income – 45500) * 0.25

Elseif income <= 190200:

Tax = 11950 * 0.10 + (45500 – 11950) * 0.15 + (117450 – 45500) * 0.25 + (income – 117450) * 0.28

Elsesif 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)
```