Exercise

Complete the following program so that it prints the initial from the first name followed by a full stop, a space and followed by the surname. Assume the full name is always two names separated by a single space.

```python
full_name = "Wystan Auden"
first_letter = full_name[0]
space_index = full_name.find(" ")
last_name = full_name[space_index + 1:]
initialled_name = first_letter + ". " + last_name
print(initialled_name)
```

W. Auden
Exercise

Complete the following program so that it prints the total tax and the net pay rounded to a whole number. The first $14000 is not taxed. The next amount up to $38500 is taxed at 24% and the rest is taxed at 34%.

```python
salary = 54000
no_tax_boundary = 14000
rate1_boundary = 38500
rate1 = 0.24
rate2 = 0.34

#Print the output
print("Salary: ", salary, sep="")
print("Amount to be taxed at: 24%: ", rate1_amount, sep="")
print("Tax at rate 1: ", tax_rate1, sep="")
print("Amount to be taxed at: 34%: ", rate2_amount, sep="")
print("Tax at rate 2: ", tax_rate2, sep="")
print("==================================")
print("Total tax: ", total_tax, sep="")
print("Net pay: ", net_pay, sep="")
print("==================================")
```

Salary: $54000
Amount to be taxed at: 24%: $24500
Tax at rate 1: $5880
Amount to be taxed at: 34%: $15500
Tax at rate 2: $5270
Total tax: $11150
Net pay: $42850
==================================
salary = 54000
no_tax_boundary = 14000
rate1_boundary = 38500
rate1 = 0.24
rate2 = 0.34

rate1_amount = rate1_boundary - no_tax_boundary
rate2_amount = salary - rate1_boundary
tax_rate1 = round(rate1_amount * rate1)
tax_rate2 = round(rate2_amount * rate2)
total_tax = tax_rate1 + tax_rate2
net_pay = salary - total_tax

print("Salary: $",salary,sep="")
print("Amount to be taxed at: 24%: $",rate1_amount,sep="")
print("Tax at rate1: $",tax_rate1,sep="")
print("Amount to be taxed at: 34%: $",rate2_amount,sep="")
print("Tax at rate2: $",tax_rate2,sep="")
print("==================================")
print("Total tax: $", total_tax, sep = "")
print()
print("Net pay: $", net_pay, sep = "")
print("==================================")