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### Assignment 9- Working with numbers
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#tax rate defined as global variable, and so its easy to find and change
tax_rate = 18

print('Pay Check Calculator')
print('')
print('')

#gross pay function
def pay(hours_worked , hourly_rate):
    gross_pay = hours_worked * hourly_rate
    return gross_pay

#tax amount functiuon
def tax(gross_pay,tax_rate ):
    tax_amount = gross_pay * (tax_rate / 100)
    return tax_amount

#take home pay function
def home(gross_pay, tax_amount):
    take_home_pay = gross_pay - tax_amount
    return take_home_pay

#main function
def main():
    hours_worked = float(input('Enter Hours Worked: '))
    hourly_rate = float(input('Enter Hourly Pay Rate: '))
    print('')
    #renamed variables so the code is cleaner
    gross_pay = pay(hours_worked,hourly_rate)
    tax_amount = tax(gross_pay,tax_rate)
    take_home = home(gross_pay,tax_amount)

    print('Gross Pay: ',gross_pay ) # not sure if i should round this. in example
there was only one decimal so i will leave as is
    print('Tax Rate: ', tax_rate ,'%')
    print('Tax Amount: ',round(tax_amount,2))
    print('Take Home Pay: ',round(take_home,2))
    return
if __name__ == '__main__':
    main()

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