

# allen\_paystub

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[ ]: # Rainah Allen
# Paystub Generator

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from time import asctime

firstName = input("Enter your first name: ") # enter first name
lastName = input("Enter your last name: ") # enter last name
payRate = float(input("How much do you get paid an hour?: ")) # enter how much
    ↳make an hour
hours = float(input("How many hours have you worked?: ")) # enter how many
    ↳hours worked this week

#

fedTaxRate = .1259 # 12.59 percent for feds

stateTaxRate = .0482 # 4.82% for state

socialSecurity = .0765 # 7.65 percent for social security and medicare

insurance = 26.50 # 26.50 for insurance

#

if hours > 40.00: # overtime (over 40 hours worked)
    basePay = payRate * 40
    overHours = hours - 40
    overtime = (payRate * 1.5) * overHours
    grossPay = basePay + overtime
    grossPayMessage = "\n\nYour gross pay for 40 hours, and {:.1f} hours
    ↳overtime is ${:.2f}\n".format(overHours, grossPay)
    print(grossPayMessage)
else:
    grossPay = payRate * hours
    overHours = 0.0
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    grossPayMessage = "\n\nYour gross pay for {:.1f} hours, is ${:.2f}\n".
↳format(hours, grossPay)
    print(grossPayMessage)

#

# where deductions are figured
fedTaxPaid = fedTaxRate * grossPay # variable fedTaxPaid multiplies fed tax
↳rate variable by
                                # gross pay figured out in if statement

stateTaxPaid = stateTaxRate * grossPay# variable stateTaxPaid multiplies state
↳tax rate variable by
                                # gross pay figured out in if statement

socialSecurityPaid = socialSecurity * grossPay # variable socialSecurityTaxPaid
↳multiplies social security rate variable by
                                # gross pay figured out in the
↳if statement

totalDeductions = fedTaxPaid + stateTaxPaid + socialSecurityPaid + insurance #
↳add all deductions

netPay = grossPay - totalDeductions # the netPay variable = gross pay -
↳deductions

#

print('Hi!')
print()
print("Pay for {} {}".format(firstName, lastName))
print()
print("Payrate: ${:.2f}".format(payRate))
print()
print("Total Hours worked {}".format(hours))
print()
print("Overtime hours at time and a half: {:.2f}".format(overHours))
print()
print(grossPayMessage)
print()
print("Deductions")
print("-----")
print("Federal Income Tax: ${:.2f}".format(fedTaxPaid))
print()
print("State of CT Income Tax: ${:.2f}".format(stateTaxPaid))
print()

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print("Social Security: {:.2f}".format(socialSecurityPaid))
print()
print("Insurance: {:.2f}".format(insurance))
print()
print("Total Deductions = {:.2f}".format(totalDeductions))
print("-----\n\n")
print("Total pay received is: {:.2f}".format(netPay))

#

invoicePage = open("{}-{}-invoice.txt".format(lastName, firstName), "w+")
invoicePage.write("\n")
invoicePage.write("Pay for {} {}".format(lastName, firstName))
invoicePage.write("\n")
invoicePage.write("Payrate: {:.2f}".format(payRate))
invoicePage.write("\n")
invoicePage.write("Total Hours worked {}".format(hours))
invoicePage.write("\n")
invoicePage.write("Overtime hours at time and a half: {:.2f}".format(overHours))
invoicePage.write("\n")
invoicePage.write("Date/Time report was run {}".format(asctime()))
invoicePage.write("\n")
invoicePage.write(grossPayMessage)
invoicePage.write("\n")
invoicePage.write("Deductions\n")
invoicePage.write("-----\n")
invoicePage.write("Federal Income Tax: {:.2f}\n".format(fedTaxPaid))
invoicePage.write("\n")
invoicePage.write("State of CT Income Tax: {:.2f}\n".format(stateTaxPaid))
invoicePage.write("\n")
invoicePage.write("Social Security: {:.2f}\n".format(socialSecurityPaid))
invoicePage.write("\n")
invoicePage.write("Insurance: {:.2f}\n".format(insurance))
invoicePage.write("\n")
invoicePage.write("Total Deductions: {:.2f}\n".format(totalDeductions))
invoicePage.write("-----\n\n")
invoicePage.write("Total pay received is: {:.2f}\n".format(netPay))

invoicePage.close()

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