**Tutorial 3 Question 4**

Code Test Document for Tutorial3question4

**Question**

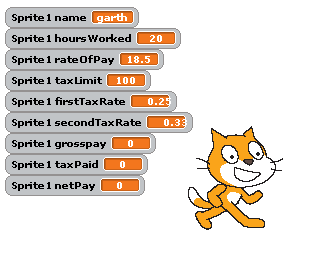
For an employee, enter the data of his/her name, hours, and rate of pay. Calculate the gross pay, tax and nett pay, and output them. Tax is at 25% on the first $100 of grossPay, with the remainder at 33%.

**Testdata**

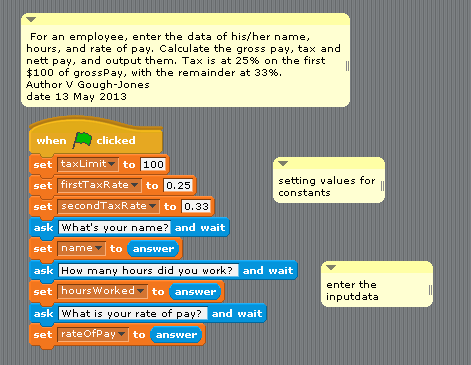
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| name | hoursWorked | rateofPay | grosspay | taxPaid | netPay | firstTax | difference | secodTax |
| garth | 20.00 | 18.50 | 370.00 | 114.10 | 255.90 | 25 | 270 | 89.1 |
| mandy | 5.50 | 12.75 | 70.13 | 17.53 | 52.59 | 25 |  |  |
| Samson | 10.00 | 10.00 | 100.00 | 25.00 | 75.00 | 25 | 0 | 0 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| taxLimit | 100 |  |  |  |  |  |  |  |
| lowRate | 25% |  |  |  |  |  |  |  |
| highRate | 33% |  |  |  |  |  |  |  |

**Version 1**

Enter the data

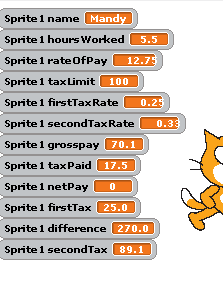
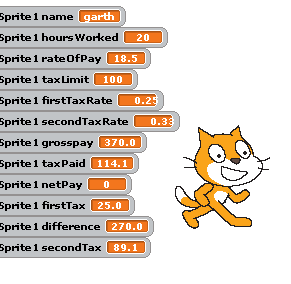
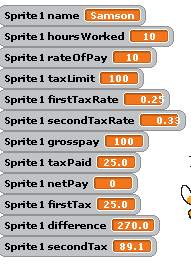
The correct values are in memory

The code is:

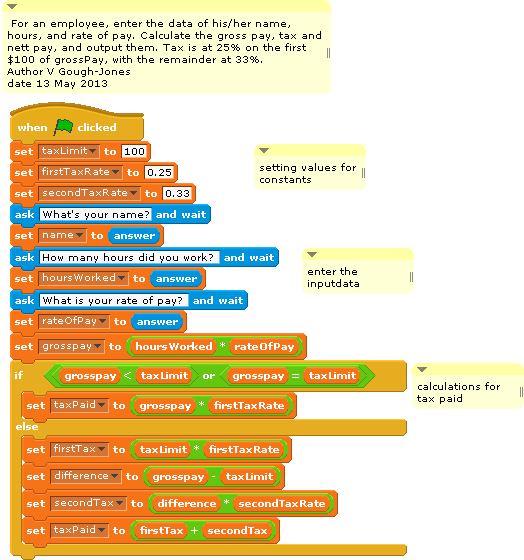




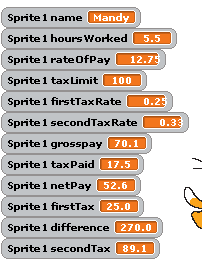
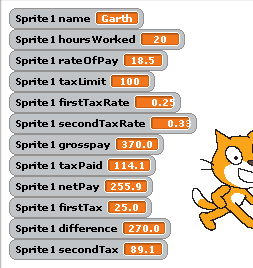
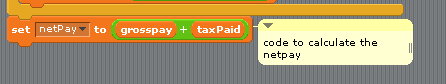
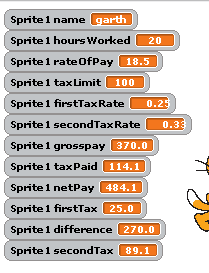
Code is correct for grossPay for Garth



Calculations for tax paid for Garth and Mandy is correct so both branches in selection condition are correct, as well as boundary limit. See code below



Version 2C for the netPay

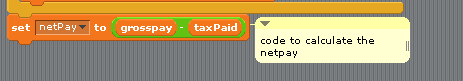


The netPay for Garth is incorrect

Mistake is plus instead of minus in the code

Output for netPay is now correct

Code for version 2C



Code to display the results in user friendly manner