Project 4d

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Gross Pay  Filing Status  Withholding Allowances | Get input  Store Input  Compare against IRS info | Is Low Income  Filing Status |

Pseudocode:

PROMPT Gross pay

STORE dGrossPay

PROMPT Withholdings

STORE iWithholdings

PROMPT Status

STORE cStatus

IF ((cStatus == 's' && dGross <= 522) ||

(cStatus == 'm' && dGross <= 522 && iWHold <=1 ) ||

(cStatus == 'm' && dGross <= 1044 && iWHold >=2 ) ||

(cStatus == 'h' && dGross <= 1044)) THEN

SET bLowInc = true

ENDIF

SWITCH cStatus

CASE s:

DISPLAY Filing as single

BREAK;

CASE m:

DISPLAY Filing as married

BREAK;

CASE h:

DISPLAY Filing as HoH

BREAK;

IF (bLowInc)

DISPLAY You are low income

ELSE

DISPLAY You are not low income

ENDIF

Desk Check

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Class input | Status | Allow. | Gross | Expt. State status | Obs.  State status | Expt. Low income | Obs. Low income | Same | Why State status error? | Why low income error? |
| Single | S | 0 | 521 | Single |  | Low |  |  |  |  |
| Single | S | 0 | 522 | Single |  | Low |  |  |  |  |
|  | S | 1 | 523 | Single |  | Not |  |  |  |  |
| Head of Household | H | 0 | 1043 | HoH |  | Low |  |  |  |  |
|  | H | 1 | 1044 | HoH |  | Low |  |  |  |  |
|  | H | 5 | 1045 | HoH |  | Not |  |  |  |  |
| Married | M | 0 | 521 | Married |  | Low |  |  |  |  |
|  | M | 0 | 522 | Married |  | Low |  |  |  |  |
|  | M | 1 | 523 | Married |  | Not |  |  |  |  |
|  | M | 1 | 1043 | Married |  | Low |  |  |  |  |
|  | M | 2 | 1044 | Married |  | Low |  |  |  |  |
|  | M | 3 | 1045 | Married |  | Not |  |  |  |  |