Project 4c

|  |  |  |
| --- | --- | --- |
| Input | Process | Output |
| Number of withholding allowances | Store withholdings  Process withholdings  Display withholdings | Total amount of withholding allowances |

Pseudocode:

PROMPT “Please enter the number of withholdings.”

STORE iWHold

SWITCH iWHold

CASE 1:

SET dHVal = 42

BREAK;

CASE 2:

SET dHVal = 83

BREAK;

CASE 3:

SET dHVal = 125

BREAK;

CASE 4:

SET dHVal = 167

BREAK;

CASE 5:

SET dHVal = 208

BREAK;

CASE 6:

SET dHVal = 250

BREAK;

CASE 7:

SET dHVal = 292

BREAK;

CASE 8:

SET dHVal = 333

BREAK;

CASE 9:

SET dHVal = 375

BREAK;

CASE 10:

SET dHVal = 417

BREAK;

DEFAULT:

SET dHVal = 42\*iWHold

BREAK;

ENDSWITCH

DISPLAY iWHold + “ withholding allowances provides an estimated deduction of: “+dHVal

Desk Check

|  |  |  |
| --- | --- | --- |
| Input | Expected | Actual |
| 0 | 0 |  |
| 1 | 42 |  |
| 2 | 83 |  |
| 3 | 125 |  |
| 4 | 167 |  |
| 5 | 208 |  |
| 6 | 250 |  |
| 7 | 292 |  |
| 8 | 333 |  |
| 9 | 375 |  |
| 10 | 417 |  |
| 11 | 462 |  |
| 5.7 | Error |  |
| Invalid Data | Error |  |