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CS 1400

Chapter 4 Homework Psuedocode

* int income
* int exemption
* string status
* char response
* do{
* do{
* Print (Are you single, married….)
* input status
* }while (! (ignore case))
  + status = single
  + status = married
  + status = combined
  + status = s
  + status = c
  + status = m
* do{
* print (Enter your gross income)
* input income
* }while (income <= 0)
* print (enter number of exemptions
* input exemptions
* int taxable = (income - (1000 \* exemption))
* switch (status.charAt(0))
* case ‘s’ ‘S’
  + if taxable > = 0)
  + print (Income tax summary)
  + print(Tax rate is 20%
  + print (Taxable income is $ + taxable
  + print (Taxes owed are $ + taxable \* .2
  + else
  + print income tax summary
  + print tax rate is 20
  + print taxable income is 0
  + print taxes owed are 0
  + break
* case ‘m’ ‘M’
  + if taxable > = 0)
  + print (Income tax summary)
  + print(Tax rate is 25%
  + print (Taxable income is $ + taxable
  + print (Taxes owed are $ + taxable \* .25
  + else
  + print income tax summary
  + print tax rate is 25
  + print taxable income is 0
  + print taxes owed are 0
  + break
* case ‘c’ ‘C’
  + if taxable >=0
    - if taxable <= 20000
      * print (Income tax summary)
      * print(Tax rate is 10%
      * print (Taxable income is $ + taxable
      * print (Taxes owed are $ + taxable \* .1
    - else if taxable <= 50000
      * print (Income tax summary)
      * print(Tax rate is 15%
      * print (Taxable income is $ + taxable
      * print (Taxes owed are $ + taxable \* .15
    - else
      * print (Income tax summary)
      * print(Tax rate is 30%
      * print (Taxable income is $ + taxable
      * print (Taxes owed are $ + taxable \* .3
  + else
    - print (Income tax summary)
    - print(Tax rate is 10%
    - print (Taxable income is $0
    - print (Taxes owed are $0
  + break
* print do you want to continue
* print enter y/n
* input response
* }while response == ‘y’ \\ ‘Y’