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ITP 100

// Global constants for class prices

Constant Integer ALEX

Constant Real CLASS\_COST = 150

Constant Integer SIZE = 20

// Main Module

Module Main ()

// Local variables

Declare studentID, class title, hours worked, class cost, total bill,

Fee = .5, and loop (I = 0)

// Get the student ID number

Call getstudentID (studentID)

Display “Enter the studentID number.”

Input studentID

// Get Class Titles

Call getclassTitle (classTitle)

Display “Enter how many classes you want to add?”

Display “If you add three classes, you will be able to get one of them for free.”

Display “Make an appointment if the student is working for more than 20 hours per week.”

If classTitle > 3 Then

Output “More than 3 classes not allowed, only 3 classes is allowed.”

End Module

Module class titles = 1 to 3

Display “Enter the class title.”

Input Networking, Statistics, English

English = 0

For English in range(3):

English = int(input(‘Enter 3 classes with English being free:’))

classTitle += English

average = English / 0

End For

End Module

// Get hours worked

Call getHoursWork (hoursWork)

Display “Enter the number of hours you work per week.”

Input hoursWork

If classTitle == 3 Then

CLASS\_COST = 150 \* classTitle – 150

// Module Calculate the Bill

Call getPrtBill (prtBill)

Display “total bill”

Input prtBill

calcBill = CLASS\_COST + (5/100) \* CLASS\_COST

If hoursWork > 20 hours per week Then

Display “Please make an appointment with faculty advisor.”

End Module

// If classTitle < 3

Else

CLASS\_COST = 150 \* classTitle

calcBill = CLASS\_COST + (5/100) \* CLASS\_COST

End Module

Display “studentID: “, ALEX

Display “Total Bill needs to be paid is: “, calcBill

Module Declare

Constant Integer SIZE = 3

Declare Integer courses [SIZE], Real Cost = [SIZE]

For index = 0 To SIZE - 1

Display “Enter the number of courses the student adds” [index]

Display “Enter the cost of the courses” [index]

End For

End Module  
  
Function

Declare Real coursesAdd, Real coursesCost, Real classTitle

For index = 0 To SIZE - 1

Display “Enter name of the class”, index + 1

Input classTitle [index]

End For

Display “Enter the cost of courses”

Input coursesCost  
  
Display “Enter the total cost”

For index = 0 To SIZE - 1

Set coursesAdd = classTitle [index} \* cost

End Function

Display “courses” [SIZE], “:”, prtBill (Total bill)