

Object Oriented Programming Fall 2017
Lab Activity

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Date: 8th Sept 2017

Q1) Write a function that would take a 4 digit number as input and a divisor and returns the remainder

Q2) Given three ints, a b c, return true if it is possible to add two of the ints to get the third. For example

twoAsOne(1, 2, 3) → true
twoAsOne(3, 1, 2) → true
twoAsOne(3, 2, 2) → false

Q3) Write a function ComputeGCD(int num1, int num2) that takes two numbers as input and returns GCD as output.

Q4) Write a function that would take a random array as input and return another array in ascending order

Q5) Create three arrays of 5 elements each and input marks of two midterms in both the arrays. Finally store the sum of elements of two arrays in the third one.

Program Output:

MT-I	MT-II	Total
15	15	30
17	17	34
19	19	38
20	15	35
20	15	35

Q6) Write a function PrintChar(int row, char ch) that takes two numbers as input and prints according to row number

Program Output:

Enter any number: 3

Enter character: \$

\$

\$\$

\$\$\$

Q7) Create an inventory of product quantity in an array and update array whenever any sale (by customer) or purchase (from suppliers) occur.

Program output:

MobileCards = {"Ufone", "Warid", "Jazz", "Telenore"}

connection = {200,300,400,500}

Card Purchase by customer:

Card type: Ufone

Number of Cards: 20

Update Inventory

Ufone 180 cards left

Card sell by suppliers

Card type: Ufone

Number of Cards 30

Update Inventory

Ufone 210 cards

Q8) Input names of 10 students in an array and find out if there exists any duplicate name or not.

----- Good Luck ☺-----