

COP 2250 - Java 1

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Program COP2250pgm3d, covering Multidimensional and Parallel Arrays,
swap, endless while loop, %,

WORTH 8 POINTS

1 - Worth 1 point

Passing 3 numbers call a method that will print these numbers in ascending order,

e.g. if you pass (98, 234, 6)

```
print 6 98 234
```

You must make a method called "swap", do NOT use any built-in sort

2 - Worth 1 points

Using a while(true) loop, print the upper case alphabeth and its corresponding ascii values for

each letter from Z to A

Note: You must terminate/exit/break this loop once you process the last letter (A)

3 - Worth 2 points

- Create a two dimensional array of 10 rows by 10 columns

- Load each index with the multiplication of its x and y location

- Add all the values in columns 3, 5, and 7, and print the total

- Add all the values in rows 2, 4, and 6, and print the total

- Subtract the total values of (rows - columns), and print the difference.

4 - Worth 2 points

Implement division by 0, with error trapping, using if and while() commands, make sure to use "casting" e.i. float result = (float)int/int;

How:

- Using a while loop, read 2 numbers from the user.

- Using the if statement, test that the second number in not zero, if it is inform the user of the error, and ask for a correct second number.

- If the second number is NOT a zero, do the division, display all numbers and the computation using labels, the result MUST have 2 decimal places,

e.g. "The first number 10 divided by the second number 5 is 2.00"

To exit the while loop the user must enter the value 999 for the first or the second number.

5 - Worth 1 point

Using the loop of your choice display all numbers from 0 to 100 where "mod 5 = 3". Hint: %

6 - Worth 1 points

Having the following TWO, ONE dimension arrays:

```
one[0] = "This Java";    two[0] = "class";
```

```
one[1] = "at ";         two[1] = "FIU";
```

```
one[2] = "is ";         two[2] = "challenging && enjoyable";
```

print the results in a parallel array format made with these two one dim arrays