**Class Test 01: CSI 203 – Object Oriented Programming, Spring 2019**

**Total Marks: 20, Time: 10 minutes**

Name: ID:

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| 1 | Write a program that will take two numbers **X** & **Y** as inputs and decide whether **X** is greater than/less than/equal to **Y.**   |  |  | | --- | --- | | **Sample input (X,Y)** | **Sample output** | | 5 -10 | 5 is greater than -10 | | 5 10 | 5 is less than 10 | | 5 5 | 5 is equal to 5 | | 10 |
| 2 | Write a program that will take n integers into an array, and then search a number into that array. If found then print its index(es). If the number is not found then print “NOT FOUND”.   |  |  | | --- | --- | | **Sample input** | **Sample output** | | {7, 8, 1, 3, 2, 6, 4, 3}  3 | FOUND at index position: 3, 7 | | {7, 8, 1, 3, 2, 6, 4, 3}  5 | NOT FOUND | | 10 |

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| 1 | Write a program that will decide whether a number is positive or not.   |  |  | | --- | --- | | **Sample input** | **Sample output** | | 100 | Positive | | -11 | Negative | | 0 | Positive | | 10 |
| 2 | Write a program that will take n positive integers into an array A. Now find all the integers that are divisible by 3 and replace them by -1 in array A. Finally show all elements of array A.   |  |  | | --- | --- | | **Sample input** | **Sample output** | | {7, 8, 1, 3, 2, 6, 4, 3} | 7 8 1 -1 2 -1 4 -1 | | {3, 2, 1} | -1 2 1 | | 10 |