**Assignment 1 – Nested Loops + Conditional Jumps**

Important Instructions:

* Submit one asm file only
* Label all the functions properly
* Your main should just be a sequence of jumps to these functions

1. Find min and max elements from an array of 10 integers. Write two functions for
2. Unsigned Numbers
3. Signed Numbers
4. Write a program that finds union of two sets (ordered integer arrays). Assume there will be at max 10 elements in union.

**Sample Run:** (Zero indicates end of array)

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| --- |
| Set1: 1,4,6,0  Set2: 1,3,5,8,0  Union: 1, 3, 4, 5, 6, 8, 0 |

1. Write a program that finds intersection of two sets (ordered integer arrays). Assume there will be at max 10 elements in union.

**Sample Run:** (Zero indicates end of array)

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| --- |
| Set1: 1,4,6,0  Set2: 1,3,6,8,0  Intersection: 1, 6, 0 |

1. Write a program that finds staring index of a subset from a set (smaller array from a larger array).

**Sample Run:**

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| Set:1,2,4,1,1,2,3,1,2,5  Subset: 1,2,3  **Index: 4 (After program. -1 if subset not found.)** |