**Hackerrank Problems** ( These problems carry credits towards final evaluation )

*Note that this list contains the problems to be solved throughout the course and therefore it’s probable that you may not be able to solve all of them right away. Don’t worry by the time all sessions are completed, you’ll be able to solve all.*

How to work on these problems?

**Step-1** Solve these problems on Hackerrank ( Use of hackerrank is already demonstrated in the lab-1 )

**Step-2** Once you’ve solved all the problems, show them to your TA Nikita, she’ll validate that you’ve solved all the problems and will record your credits.

1. [https://www.hackerrank.com/challenges/py-hello-world/problem?isFullScreen= true](https://www.hackerrank.com/challenges/py-hello-world/problem?isFullScreen=true)
2. [https://www.hackerrank.com/challenges/python-arithmetic-operators/problem? isFullScreen=true](https://www.hackerrank.com/challenges/python-arithmetic-operators/problem?isFullScreen=true)
3. [https://www.hackerrank.com/challenges/python-division/problem?isFullScreen =true](https://www.hackerrank.com/challenges/python-division/problem?isFullScreen=true)
4. [https://www.hackerrank.com/challenges/python-print/problem?isFullScreen=tr ue](https://www.hackerrank.com/challenges/python-print/problem?isFullScreen=true)
5. [https://www.hackerrank.com/challenges/finding-the-percentage/problem?isFul lScreen=true](https://www.hackerrank.com/challenges/finding-the-percentage/problem?isFullScreen=true)
6. <https://www.hackerrank.com/challenges/py-if-else/problem?isFullScreen=true>
7. [https://www.hackerrank.com/challenges/polar-coordinates/problem?isFullScre en=true](https://www.hackerrank.com/challenges/polar-coordinates/problem?isFullScreen=true)
8. [https://www.hackerrank.com/challenges/python-power-mod-power/problem?is FullScreen=true](https://www.hackerrank.com/challenges/python-power-mod-power/problem?isFullScreen=true)
9. <https://www.hackerrank.com/challenges/input/problem?isFullScreen=true>
10. [https://www.hackerrank.com/challenges/find-second-maximum-number-in-a-li st/problem?isFullScreen=true](https://www.hackerrank.com/challenges/find-second-maximum-number-in-a-list/problem?isFullScreen=true)
11. [https://www.hackerrank.com/challenges/python-lists/problem?isFullScreen=tru e](https://www.hackerrank.com/challenges/python-lists/problem?isFullScreen=true)
12. [https://www.hackerrank.com/challenges/nested-list/problem?isFullScreen=tru e](https://www.hackerrank.com/challenges/nested-list/problem?isFullScreen=true)
13. [https://www.hackerrank.com/challenges/list-comprehensions/problem?isFullS creen=true](https://www.hackerrank.com/challenges/list-comprehensions/problem?isFullScreen=true)
14. [https://www.hackerrank.com/challenges/py-set-add/problem?isFullScreen=tru e](https://www.hackerrank.com/challenges/py-set-add/problem?isFullScreen=true)
15. [https://www.hackerrank.com/challenges/symmetric-difference/problem?isFullS creen=true](https://www.hackerrank.com/challenges/symmetric-difference/problem?isFullScreen=true)
16. [https://www.hackerrank.com/challenges/py-set-discard-remove-pop/problem?i sFullScreen=true](https://www.hackerrank.com/challenges/py-set-discard-remove-pop/problem?isFullScreen=true)
17. [https://www.hackerrank.com/challenges/py-set-union/problem?isFullScreen=tr ue](https://www.hackerrank.com/challenges/py-set-union/problem?isFullScreen=true)
18. [https://www.hackerrank.com/challenges/py-set-intersection-operation/problem ?isFullScreen=true](https://www.hackerrank.com/challenges/py-set-intersection-operation/problem?isFullScreen=true)
19. [https://www.hackerrank.com/challenges/py-set-difference-operation/problem?i sFullScreen=true](https://www.hackerrank.com/challenges/py-set-difference-operation/problem?isFullScreen=true)
20. [https://www.hackerrank.com/challenges/py-set-symmetric-difference-operatio n/problem?isFullScreen=true](https://www.hackerrank.com/challenges/py-set-symmetric-difference-operation/problem?isFullScreen=true)
21. [https://www.hackerrank.com/challenges/swap-case/problem?isFullScreen=tru e](https://www.hackerrank.com/challenges/swap-case/problem?isFullScreen=true)
22. [https://www.hackerrank.com/challenges/python-string-split-and-join/problem?i sFullScreen=true](https://www.hackerrank.com/challenges/python-string-split-and-join/problem?isFullScreen=true)
23. [https://www.hackerrank.com/challenges/whats-your-name/problem?isFullScre en=true](https://www.hackerrank.com/challenges/whats-your-name/problem?isFullScreen=true)
24. <https://www.hackerrank.com/challenges/capitalize/problem?isFullScreen=true>
25. [https://www.hackerrank.com/challenges/default-arguments/problem?isFullScr een=true](https://www.hackerrank.com/challenges/default-arguments/problem?isFullScreen=true)
26. <https://www.hackerrank.com/challenges/zipped/problem?isFullScreen=false>
27. [https://www.hackerrank.com/challenges/python-eval/problem?isFullScreen=tr ue](https://www.hackerrank.com/challenges/python-eval/problem?isFullScreen=true)
28. <https://www.hackerrank.com/challenges/any-or-all/problem?isFullScreen=true>
29. [https://www.hackerrank.com/challenges/map-and-lambda-expression/problem ?isFullScreen=true](https://www.hackerrank.com/challenges/map-and-lambda-expression/problem?isFullScreen=true)
30. [https://www.my-courses.net/2020/02/exercises-with-solutions-on-oop-object-o riented-programming-in-python.html](https://www.my-courses.net/2020/02/exercises-with-solutions-on-oop-object-oriented-programming-in-python.html)
31. [https://www.hackerrank.com/challenges/itertools-product/problem?isFullScree n=true](https://www.hackerrank.com/challenges/itertools-product/problem?isFullScreen=true)
32. [https://www.hackerrank.com/challenges/itertools-permutations/problem?isFull Screen=true](https://www.hackerrank.com/challenges/itertools-permutations/problem?isFullScreen=true)
33. [https://www.hackerrank.com/challenges/itertools-combinations/problem?isFull Screen=true](https://www.hackerrank.com/challenges/itertools-combinations/problem?isFullScreen=true)
34. [https://www.hackerrank.com/challenges/collections-counter/problem?isFullScr een=true](https://www.hackerrank.com/challenges/collections-counter/problem?isFullScreen=true)
35. [https://www.hackerrank.com/challenges/py-collections-namedtuple/problem?i sFullScreen=true](https://www.hackerrank.com/challenges/py-collections-namedtuple/problem?isFullScreen=true)
36. [https://www.hackerrank.com/challenges/py-collections-ordereddict/problem?is FullScreen=true](https://www.hackerrank.com/challenges/py-collections-ordereddict/problem?isFullScreen=true)
37. [https://www.hackerrank.com/challenges/exceptions/problem?isFullScreen=tru e](https://www.hackerrank.com/challenges/exceptions/problem?isFullScreen=true)
38. [https://www.hackerrank.com/challenges/incorrect-regex/problem?isFullScreen](https://www.hackerrank.com/challenges/incorrect-regex/problem?isFullScreen=true)

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