



HackerEarth Online Judge

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spring 2020

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HackerEarth Online Judge - Phase 1

Basic Programming



Lecture Agenda

We will discuss in this lecture
the following topics

- | | |
|---------------------|---------------|
| 1- Input/Output | [50 problems] |
| 2- Bit Manipulation | [70 problems] |
| 3- Recursion | [10 problems] |
| 4- Operators | [5 problems] |

A top-down view of a white desk. On the left, a person's hands are typing on a white Apple keyboard. Above the keyboard is a white Apple mouse. To the right of the mouse is a bright yellow wristwatch with a black face. In the bottom right corner, the top of a white smartphone is visible. The text "Let's STARTUP" is centered on the desk. "Let's" is in a small, grey, sans-serif font. "STARTUP" is in a large, bold, sans-serif font. "START" is black with a white speckled texture, and "UP" is solid red with a white speckled texture.

Let's
STARTUP

Lecture Agenda



Section 1: Input/Output

Section 2: Bit Manipulation

Section 3: Recursion

Section 4: Operators



HackerEarth - Input/Output



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- [02] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/find-product/>
- [03] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/seating-arrangement-1/>
- [04] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/is-zoo-f6f309e7/>
- [05] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/anagrams-651/>
- [06] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/palindrome-check-2/>
- [07] <https://www.hackerearth.com/practice/basic-programming/complexity-analysis/time-and-space-complexity/practice-problems/algorithm/vowel-game-f1a1047c/>
- [08] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/mojtaba-prepares-contest-29b2a044/>
- [09] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/count-divisors/>
- [10] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/find-factorial/>
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- [12] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/roy-and-profile-picture/>
- [13] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/split-house-547be0e9/>
- [14] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/e-maze-in-1aa4e2ac/>
- [15] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/bricks-game-5140869d/>
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- [18] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/two-strings-4/>

HackerEarth - Input/Output



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- [21] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/friends-relationship-1/>
- [22] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/duration/>
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- [28] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/hello-32/>
- [29] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/aman-mrsharma/>
- [30] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/doctors-secret/>
- [31] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/tds-and-his-breakup/>
- [32] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/i-am-easy/>
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- [34] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/ladderophilia/>
- [35] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/char-sum-2d3a6ab5/>
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HackerEarth - Input/Output



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- [38] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/step-conversion/>
- [39] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/divisibe-or-2d8e196a/>
- [40] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/a-movement-1/>
- [41] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/back-to-school-1/>
- [42] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/divisible-or-not-81b86ad7/>
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- [45] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/cipher-1/>
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- [48] <https://www.hackerearth.com/practice/basic-programming/input-output/basics-of-input-output/practice-problems/algorithm/make-all-equal-90a21ab2/>



Lecture Agenda



✓ Section 1: Input/Output

Section 2: Bit Manipulation

Section 3: Recursion

Section 4: Operators



HackerEarth - Bit Manipulation



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- [03] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/mystery-31/>
- [04] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/bitmasking/>
- [05] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monk-and-tasks/>
- [06] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/sherlock-and-xor/>
- [07] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/hihi-and-crazy-bits/>
- [08] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/subham-and-binary-strings/>
- [09] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monk-and-the-box-of-cookies/>
- [10] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/find-the-numbers-75f24949/>
- [11] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/lets-shift-2-36d90caa/>
- [12] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/the-castle-gate-july-easy/>
- [13] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/a-new-experiment/>
- [14] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/danny-and-his-loneliness/>
- [15] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/aaryan-subsequences-and-great-xor/>
- [16] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/power-of-2-6/>
- [17] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/hunny-bunny-eebee22a/>
- [18] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monk-and-his-father/>

HackerEarth - Bit Manipulation



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- [20] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/the-corona-world/>
- [21] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/lazy-panda-1/>
- [22] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/the-game-of-oxa/>
- [23] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/sorting-1-581e9aa0/>
- [24] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/ankits-no-ed95054d/>
- [25] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monk-and-his-friend/>
- [26] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/sum-of-numbers-9/>
- [27] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/and-sum-54d31846/>
- [28] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/pikachu-loves-or-0c02a270/>
- [29] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/chinu-and-his-project/>
- [30] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/micro-and-binary-strings/>
- [31] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/bit-flippings-dd1f7ef1/>
- [32] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/chakra-numbers-9c9e0faf/>
- [33] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/xsquare-and-two-strings-1/>
- [34] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/milly-and-sub-array-83aeeedc8/>
- [35] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monks-choice-of-numbers-1/>
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- [41] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/lucky-numbers-20/>
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- [47] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/and-this-one-784d9012/>
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- [49] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/and-and-5c7e1ce5/>
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- [51] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/aish-and-xor-2/>
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HackerEarth - Bit Manipulation



- [55] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/ranged-xor/>
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- [59] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monsters-in-grid-1/>
- [60] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/game-of-destruction-f96cd509/>
- [61] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/special-numbers-4-dffaa6e8/>
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- [65] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/the-game-dd8618f3/>
- [66] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/samu-and-her-birthday-party-1/>
- [67] <https://www.hackerearth.com/practice/basic-programming/bit-manipulation/basics-of-bit-manipulation/practice-problems/algorithm/monk-and-binary-array-1/>
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Lecture Agenda



✓ Section 1: Input/Output

✓ Section 2: Bit Manipulation

Section 3: Recursion

Section 4: Operators



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Lecture Agenda



- ✓ Section 1: Input/Output
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- ✓ Section 3: Recursion
- Section 4: Operators**



HackerEarth - Operators



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- [04] <https://www.hackerearth.com/practice/basic-programming/operators/basics-of-operators/practice-problems/algorithm/birthday-party-12/>
- [05] <https://www.hackerearth.com/practice/basic-programming/complexity-analysis/time-and-space-complexity/practice-problems/algorithm/vowel-game-f1a1047c/>
- [06] <https://www.hackerearth.com/practice/basic-programming/operators/basics-of-operators/practice-problems/algorithm/let-us-understand-computer-78476e7a/>



Lecture Agenda



- ✓ Section 1: Input/Output
- ✓ Section 2: Bit Manipulation
- ✓ Section 3: Recursion
- ✓ Section 4: Operators





DO
MORE.