**UNIT-1**

**APPLICATIONS ON SORTING**

PROBLEM:1 (BUBBLE SORT)

[Ants on a circle | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/bubble-sort/practice-problems/algorithm/ants-on-the-circle-928dbbba/)

PROBLEM:2 (MERGE SORT)

[Maximum Sum of Building Speed | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/merge-sort/practice-problems/algorithm/maximum-sum-of-building-speed-00ab8996/)

PROBLEM:3 (QUICK SORT)

[Specialty of a sequence | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/quick-sort/practice-problems/algorithm/lex-finds-beauty-0d0bc1b6/)

PROBLEM:4 (SELECTION SORT)

[Old keypad in a foreign land | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/selection-sort/practice-problems/algorithm/old-keypad-in-a-foreign-land-24/)

PROBLEM:5 (MERGE SORT)

[Median Game | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/merge-sort/practice-problems/algorithm/median-game-june-easy-19-3722be60/)

PROBLEM:6 (BUBBLE SORT)

[Easy Going.(Very Easy) | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/bubble-sort/practice-problems/algorithm/min-max-difference/)

PROBLEM:7 (INSERTION SORT)

[Monk and Nice Strings | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/insertion-sort/practice-problems/algorithm/monk-and-nice-strings-3/)

PROBLEM:8 (QUICK SORT)

[Eating apples | Practice Problems (hackerearth.com)](https://www.hackerearth.com/practice/algorithms/sorting/quick-sort/practice-problems/algorithm/snake-b0112afa/)

Points: within time – 30, within the same day – 20, completed in next day – 15, others-0