

 You are registered for this course on Kattis.

 This course offering ended 2023-12-08

Offering



# Algorithms in Practice/Competitive Programming – CMPUT-303-403/Fall-2023

## Assignments

- [Week-01-Intro](#) (Ended)
  - A. [mirror](#) ✓
  - B. [pyramids](#) ✓
  - C. [amsterdambdistance](#) ✓
  - D. [integerdivision](#) ✓
  - E. [pieceofcake2](#) ✓
  - F. [klockan2](#) ✓
  - G. [hindex](#) ✓
  - H. [andrewant](#)
- [Week-02-Data-Structures-Binary-Search](#) (Ended)
  - A. [pairingsocks](#) ✓
  - B. [teque](#) ✓
  - C. [addingwords](#) ✓
  - D. [prettygoodcuberoot](#) ✓
  - E. [svada](#)
- [Open-Pool-303](#) (Ended)
  - A. [dejavu](#) ✓
  - B. [election](#)
  - C. [turbo](#)
  - D. [letterwheels](#)

- E. password ✓
- F. millionairemadness ✓
- G. otpor ✓
- H. interviewqueue
- I. orchard
- J. pebblesolitaire2 ✓
- K. messages
- L. tight ✓
- M. particlecollision
- N. buzzwords
- O. playingtheslots ✓
- P. bookclub
- Q. bumped ✓
- R. minibattleship
- S. quantumsuperposition ✓
- T. bundles
- U. multtable ✓
- Open-Pool-403-Easy (Ended)
  - A. neighborhoodwatch
  - B. checkmateinone
  - C. magical3
  - D. multiplicationgame
  - E. wordlewithfriends
  - F. decisions
  - G. forestforthetrees
  - H. ticketcompleted
  - I. thesaurus
  - J. keypad
  - K. biggesttriangle
  - L. pubnite
  - M. slidecount
- Open-Pool-403-Medium (Ended)
  - A. rsamistake
  - B. concentration
  - C. homework
  - D. interviewqueue
  - E. snowballfight
  - F. pegsandlegs
  - G. foldingacube
  - H. gwensgift
  - I. simplification
  - J. paperssnowflakes
  - K. maximumrent

- L. [flowfree](#)
- M. [city](#)
- N. [daceydice](#)
- O. [particlecollision](#)
- P. [modelling](#)
- Q. [palindromic](#)
- R. [explodingkittens](#)
- S. [bundles](#)
- T. [lootchest](#)
- U. [molecules](#)
- V. [figurinefigures](#)
- [Open-Pool-403-Hard](#) (Ended)
  - A. [initials](#)
  - B. [solutionpollution](#)
  - C. [teamchange](#)
  - D. [laneswitching](#)
  - E. [stack](#)
  - F. [rubiksrevenge](#)
  - G. [centralstring](#)
  - H. [traderoutes](#)
  - I. [delivering](#)
  - J. [antimatterrain](#)
  - K. [matchings](#)
  - L. [trimmingpolygons](#)
  - M. [dogtrouble](#)
- [Open-Pool-403-Diabolical](#) (Ended)
  - A. [appleorchard](#)
  - B. [permutationcfg](#)
  - C. [specialcycle](#)
  - D. [cookiecutter2](#)
  - E. [anothercoinweighingpuzzle](#)
  - F. [snowninjas](#)
  - G. [thekingsguards](#)
  - H. [kcolouring](#)
  - I. [bomas](#)
  - J. [triangularlogs](#)
  - K. [treecanopygraphs](#)
  - L. [reset](#)
  - M. [failfast](#)
  - N. [whowatchesthewatchmen](#)
  - O. [cram](#)
  - P. [atreeandtwoedges](#)
- [Seminar-Sep14-Practice](#) (Ended)

- A. bottledup
- B. exactlyelectrical
- C. aliennumbers
- D. quadrant
- E. odds
- F. bracketpairing
- Week-03-Brute-Force-and-Greedy (Ended)
  - A. solitaire ✓
  - B. natjecanje ✓
  - C. color ✓
  - D. virus
- Seminar-Sep21-Practice (Ended)
  - A. treasurehunt
  - B. shopaholic
  - C. sevenwonders
  - D. laptopstickers
  - E. delimitersoup
  - F. rainbowtrees
- Week-04-Dynamic-Programming (Ended)
  - A. favourable ✓
  - B. variedamusements ✓
  - C. hammingellipses ✓
  - D. flowshop ✓
  - E. maximizingyourpay
- Seminar-Sep21-Graded (Ended)
  - A. addemup
  - B. somesum
  - C. busnumbers
  - D. streamlag
  - E. numbercolosseum
  - F. snowninjas
- Week-05-Graph-Algorithms (Ended)
  - A. brexit ✓
  - B. conquest ✓
  - C. naturereserve ✓
  - D. moneymatters ✓
  - E. equivalences
- Seminar-Oct05-Practice (Ended)
  - A. moscowdream
  - B. lostlineup
  - C. raggedright
  - D. annorlundaanagram
  - E. palindromicpassword

F. tower

- Week-06-Combinatorics-Probability (Ended)

- A. perica ✓

- B. explosion

- C. 2naire

- D. dunglish ✓

- E. tomjerry

- Seminar-Oct12-Practice (Ended)

- A. stararrangements

- B. vauvau

- C. hangman

- D. patuljci

- E. deathstar

- F. haybales

- Week-07-String-Algorithms (Ended)

- A. burrowswheeler

- B. clockpictures ✓

- C. longestcommonsubstring

- D. typo

- Seminar-Oct19-Practice (Ended)

- A. codeguessing

- B. ultimatebinarywatch

- C. simplecronspect

- D. espresso

- E. laptopsticker

- F. borders

- Week-08-Geometry (Ended)

- A. hurricanedanger ✓

- B. wrapping ✓

- C. countingtriangles

- D. colouringbook

- Seminar-Oct26-Graded (Ended)

- A. tornbygge

- B. doorman

- C. semafori

- D. radir

- E. mathtrade

- F. bread

- Week-09-Number-Theory (Ended)

- A. enlarginghashtables ✓

- B. 2048

- C. trainsorting

- D. diagonalcut ✓

E. farey ✓

- Seminar-Nov2-Practice (Ended)
  - A. thedealoftheday
  - B. thisaintyourgrandpascheckerboard
  - C. peragrams
  - D. flippingpatties
  - E. babybites
  - F. earlyorders
- Week-10-External-Data-Structures (Ended)
  - A. justforsidekicks
  - B. bing ✓
  - C. supercomputer ✓
  - D. boxes
- Week-11-Matchings-Flows (Ended)
  - A. eastereggs
  - B. piano
  - C. pianolessons ✓
  - D. landscaping
- Seminar-Nov9-Practice (Ended)
  - A. cursethedarkness
  - B. runlengthencodingrun
  - C. aboveaverage
  - D. dasblinkenlights
  - E. logo
  - F. logo2
- Seminar-Nov23-Graded (Ended)
  - A. fbiuniversal
  - B. keyboardd
  - C. inflation
  - D. redistribution
  - E. ultimatebinarywatch
  - F. factorfree

## Teachers

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