# Overview of all exams with their exercises

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| **Exam** | **Exercises** | **Keywords** |
| Jan2013 | Statistics | Sum of array, average/mean of array, largest to first place |
|  | Humor | Class joke, constructor, total time, subcategory, insulting joke, funniness of joke |
|  | Reversal | Recursive, reverse word |
| Jan2015 | Miscellaneous | Theory, method, local variable, for n times, number of objects |
|  | Circular Primes | Prime, power of 10/ten, circular prime, compute all primes |
|  | Seven Search | Recursive, sorted ascending, contains 7 |
|  | Humor | Class joke, constructor, total space, subcategory, insulting joke, funniness of joke |
| Jan2017 | Miscellaneous | Theory, method, segsum, segsumRobust, local variable |
|  | Upside down | Recursive, reverse word, palindrome, reverse text |
|  | Monsters | Objects, add monsters (eyes, bouncing, moving) |
| Jan2018 | Statistics | Sum of array, average/mean of array, largest to first place |
|  | Palindrome | Recursive, reverse word, Boolean palindrome |
|  | Humor | Class joke, constructor, total time, subcategory, insulting joke, funniness of joke |
|  | Ballroom | Ball that falls down, objects, add other balls (red, blinking) |
| Nov2011 | Skating | Class Skater, constructor, times, lap time, lap number, fastest lap, flat, pre- and postconditions |
|  | Animal farm | Class animal, average daily food intake, gender, year of birth, class Stable contains animals, add and remove animals, manger |
| Nov2013 | Stars | Print rectangle with stars, (non-)filled, horizontal bar chart |
|  | Differentiation | All zero, difference array, is constant, linear, quadratic, degree |
|  | Monster Mania | Objects, add monsters (eyes, bouncing, moving) |
| Nov2014 | Miscellaneous | Theory, sum positive array, what will it return, what is wrong with code, local variables |
|  | Sevens | Return last digit of n, remove last digit, return number of 7s it contains, recursive, remove all 7s from integer |
|  | Ballroom | Ball that falls down, objects, add other balls (red, blinking), bouncing ballroom, change direction |
| Nov2015 | Miscellaneous | What returns, wrong with code, repair, local variables |
|  | Make a difference | All zero, difference array, is constant, linear, quadratic, make linear function, degree |
|  | University | Buidling, room, employee, user, override, student, professor, move user, has lecturer, theory |
| Nov2016 | Miscellaneous | Theory, instance, instance variable, print after NullPointerException, wrong with code, number of objects |
|  | Getting Digital | Recursive, sum of digits, reverse digits |
|  | Soccer | GUI, BlueBall, react to kicking, Dotted, Chameleon, interface Undoable, kickback, implement, add button |
| Nov2017 | Miscellaneous | Theory, one method, local variable, method, return, wrong with code, recursive incomplete code, solve it |
|  | Kaprekar | Kaprekar, add zeros, return next number, produce output |
|  | Music | Class Piece, title and artist, constructor, text representation, song, arraylist to store the objects, method |
|  | Colors | Rectangle turns yellow when clicked, back to original color when clicked |