

COMPSCI 101

Fall 2022
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APT ANALYSIS

APT Number	Name	Lines of Code	If Statement	For Loop	While Loop	Indexing	Split/Join	Helper Function	Sets	Dictionary	Tuples	Sorting
APT 1	IntroAPT	3	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Bogsquare	3	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Cone	2	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Grayscale	2	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Laundry	2	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	Gravity	2	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
APT 2	ReadQuizScore	5	✓	✗	✗	✓	✓	✗	✗	✗	✗	✗
	RemoveMiddle	13	✗	✗	✗	✓	✓	✗	✗	✗	✗	✗
	PortManteau	3	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
	TotalWeight	10	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
	SentenceLength	7	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗
APT 3	DNACratiio	8	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
	Acronym	5	✗	✓	✗	✓	✓	✗	✗	✗	✗	✗
	LastNameFirst	17	✓	✓	✗	✓	✓	✗	✗	✗	✗	✗
	Emphasize	29	✓	✗	✗	✓	✗	✗	✗	✗	✗	✗
	Bagels	8	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
APT 4	Pancakes	11	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
	TxMsg	25	✓	✓	✗	✗	✓	✓	✗	✗	✗	✗
	ScoreIt	5	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗
	Pikachu	13	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
	MorseLikeCode	18	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
APT 5	EatingGood	9	✓	✓	✗	✓	✓	✗	✗	✗	✓	✗
	SandwichBar	14	✓	✓	✗	✓	✓	✓	✗	✗	✗	✗
	BagFitter	16	✓	✓	✗	✗	✗	✗	✗	✓	✓	✗
	Common	16	✓	✓	✗	✓	✗	✗	✗	✓	✗	✗
	VenmoTracker	17	✓	✓	✗	✓	✓	✓	✗	✗	✗	✓
APT 6	BordaCount	14	✓	✓	✗	✓	✓	✗	✗	✓	✓	✓
	MemberCheck	16	✗	✓	✗	✗	✗	✗	✓	✗	✗	✓
	CharityDonor	13	✓	✓	✗	✓	✓	✗	✗	✓	✗	✓
	MedalTable	24	✓	✓	✗	✓	✓	✓	✗	✓	✓	✓
	SecretCode	8	✓	✓	✗	✓	✓	✓	✗	✗	✗	✗
APT 7	WordCompositionGame	36	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
	SortedFreqs	10	✓	✓	✗	✗	✗	✗	✗	✓	✓	✓
	SortedByFreqs	12	✓	✓	✗	✓	✗	✗	✗	✓	✓	✓
	WordPlay	7	✗	✗	✗	✓	✓	✓	✗	✗	✗	✓
APT 7	InterestingParty	37	✓	✓	✗	✓	✗	✗	✓	✓	✓	✓
	EatDrink	12	✓	✓	✗	✓	✓	✗	✗	✓	✓	✓
	PositiveID	15	✓	✓	✗	✓	✓	✗	✗	✓	✗	✓
	TeamSplit	21	✓	✓	✓	✓	✗	✗	✗	✗	✗	✗
Totals:		488	25	26	2	21	16	3	4	11	7	10

- 39 total APTs with 488 lines of code written over the semester
- Most used concepts: If Statements, For Loops, Indexing
- Least used concepts: While Loops, Helper Functions, Sets
- APT 1 had the least lines of code, APT 6 had the most lines of code
- BordaCount, MedalTable, InterestingParty, and EatDrink use the most number of concepts (7)



CLASS ADVICE

- Get started early on the assignments! They are time-consuming and will be very difficult if you leave them until the last day
- Don't be afraid to go to office hours - TAs are valuable resources
- PythonTutor is the best for understanding concepts!

NUMBER OF LINES

