Python Programming Language

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Python Collections and Strings Practice

Lecture Agenda

We will discuss in this lecture the following topics

1- String   [65 problems]

2- Collections   [120 problems]

3- Implementation I   [100 problems]

4- Implementation II   [100 problems]

5- Implementation III   [100 problems]

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Let's
START**UP**

Lecture Agenda

Section 1: String

Section 2: Collections

Section 3: Implementation I

Section 4: Implementation II

Section 5: Implementation III

Codeforces - String

[01] CF-Round 369:   http://codeforces.com/problemset/problem/711/A

[02] CF-Round 374:   http://codeforces.com/problemset/problem/721/A

[03] CF-Round 379:   http://codeforces.com/problemset/problem/734/A

[04] CF-Round 162:   http://codeforces.com/problemset/problem/265/A

[05] CF-Round 163:   http://codeforces.com/problemset/problem/266/A

[06] CF-Round 225:   http://codeforces.com/problemset/problem/384/A

[07] CF-Round 253:   http://codeforces.com/problemset/problem/443/A

[08] CF-Round 343:   http://codeforces.com/problemset/problem/629/A

[09] CF-Round 360:   http://codeforces.com/problemset/problem/688/A

[10] CF-Round 376:   http://codeforces.com/problemset/problem/731/A

[11] CF-Round 127:   http://codeforces.com/problemset/problem/202/A

[12] CF-Round 173:   http://codeforces.com/problemset/problem/282/A

[13] CF-Round 197:   http://codeforces.com/problemset/problem/339/A

[14] CF-Round 265:   http://codeforces.com/problemset/problem/465/A

[15] CF-Round 295:   http://codeforces.com/problemset/problem/520/A

[16] CF-Round 301:   http://codeforces.com/problemset/problem/540/A

[17] CF-Round 309:   http://codeforces.com/problemset/problem/554/A

Codeforces - String

Codeforces - String

[35]   CF-Round 213:   http://codeforces.com/problemset/problem/365/A

[36]   CF-Round 224:   http://codeforces.com/problemset/problem/382/A

[37]   CF-Round 237:   http://codeforces.com/problemset/problem/404/A

[38]   CF-Round 278:   http://codeforces.com/problemset/problem/488/A

[39]   CF-Round 294:   http://codeforces.com/problemset/problem/519/A

[40]   CF-Round 302:   http://codeforces.com/problemset/problem/544/A

[41]   CF-Round 310:   http://codeforces.com/problemset/problem/556/A

[42]   CF-Round 391:   http://codeforces.com/problemset/problem/757/A

[43]   CF-Round 118:   http://codeforces.com/problemset/problem/186/A

[44]   CF-Round 145:   http://codeforces.com/problemset/problem/234/A

[45]   CF-Round 154:   http://codeforces.com/problemset/problem/253/A

[46]   CF-Round 176:   http://codeforces.com/problemset/problem/287/A

[47]   CF-Round 254:   http://codeforces.com/problemset/problem/445/A

[48]   CF-Round 286:   http://codeforces.com/problemset/problem/505/A

[49]   CF-Round 291:   http://codeforces.com/problemset/problem/514/A

[50]   CF-Round 297:   http://codeforces.com/problemset/problem/525/A

[51]   CF-Round 305:   http://codeforces.com/problemset/problem/548/A

Codeforces - String

[52]   CF-Round 329:   http://codeforces.com/problemset/problem/593/A

[53]   CF-Round 384:   http://codeforces.com/problemset/problem/743/A

[54]   CF-Round 180:   http://codeforces.com/problemset/problem/298/A

[55]   CF-Round 185:   http://codeforces.com/problemset/problem/312/A

[56]   CF-Round 193:   http://codeforces.com/problemset/problem/332/A

[57]   CF-Round 328:   http://codeforces.com/problemset/problem/592/A

[58]   CF-Round 241:   http://codeforces.com/problemset/problem/416/A

[59]   CF-Round 250:   http://codeforces.com/problemset/problem/437/A

[60]   CF-Round 361:   http://codeforces.com/problemset/problem/689/A

[61]   CF-Round 212:   http://codeforces.com/problemset/problem/362/A

[62]   CF-Round 300:   http://codeforces.com/problemset/problem/538/A

[63]   CF-Round 306:   http://codeforces.com/problemset/problem/550/A

[64]   CF-Round 230:   http://codeforces.com/problemset/problem/393/A

[65]   CF-Round 231:   http://codeforces.com/problemset/problem/394/A

[66]   CF-Round 293:   http://codeforces.com/problemset/problem/518/A

Lecture Agenda

✔ Section 1: String

Section 2: Collections

Section 3: Implementation I

Section 4: Implementation II

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Codeforces - List

[01] CF-Round 161:   http://codeforces.com/problemset/problem/263/A

[02] CF-Round 289:   http://codeforces.com/problemset/problem/509/A

[03] CF-Round 330:   http://codeforces.com/problemset/problem/595/A

[04] CF-Round 355:   http://codeforces.com/problemset/problem/677/A

[05] CF-Round 392:   http://codeforces.com/problemset/problem/758/A

[06] CF-Round 141:   http://codeforces.com/problemset/problem/228/A

[07] CF-Round 146:   http://codeforces.com/problemset/problem/236/A

[08] CF-Round 156:   http://codeforces.com/problemset/problem/255/A

[09] CF-Round 160:   http://codeforces.com/problemset/problem/262/A

[10] CF-Round 164:   http://codeforces.com/problemset/problem/268/A

[11] CF-Round 223:   http://codeforces.com/problemset/problem/381/A

[12] CF-Round 243:   http://codeforces.com/problemset/problem/426/A

[13] CF-Round 244:   http://codeforces.com/problemset/problem/427/A

[14] CF-Round 290:   http://codeforces.com/problemset/problem/510/A

[15] CF-Round 338:   http://codeforces.com/problemset/problem/615/A

[16] CF-Round 364:   http://codeforces.com/problemset/problem/701/A

[17] CF-Round 372:   http://codeforces.com/problemset/problem/716/A

Codeforces - List

Codeforces - List

[35] CF-Round 132:   http://codeforces.com/problemset/problem/215/A

[36] CF-Round 142:   http://codeforces.com/problemset/problem/230/A

[37] CF-Round 150:   http://codeforces.com/problemset/problem/244/A

[38] CF-Round 167:   http://codeforces.com/problemset/problem/272/A

[39] CF-Round 168:   http://codeforces.com/problemset/problem/275/A

[40] CF-Round 196:   http://codeforces.com/problemset/problem/337/A

[41] CF-Round 211:   http://codeforces.com/problemset/problem/363/A

[42] CF-Round 216:   http://codeforces.com/problemset/problem/369/A

[43] CF-Round 238:   http://codeforces.com/problemset/problem/405/A

[44] CF-Round 252:   http://codeforces.com/problemset/problem/441/A

[45] CF-Round 257:   http://codeforces.com/problemset/problem/450/A

[46] CF-Round 268:   http://codeforces.com/problemset/problem/469/A

[47] CF-Round 283:   http://codeforces.com/problemset/problem/496/A

[48] CF-Round 303:   http://codeforces.com/problemset/problem/545/A

[49] CF-Round 307:   http://codeforces.com/problemset/problem/551/A

[50] CF-Round 314:   http://codeforces.com/problemset/problem/567/A

[51] CF-Round 317:   http://codeforces.com/problemset/problem/572/A

Codeforces - List

[52] CF-Round 321:   http://codeforces.com/problemset/problem/580/A

[53] CF-Round 323:   http://codeforces.com/problemset/problem/583/A

[54] CF-Round 334:   http://codeforces.com/problemset/problem/604/A

[55] CF-Round 341:   http://codeforces.com/problemset/problem/621/A

[56] CF-Round 344:   http://codeforces.com/problemset/problem/631/A

[57] CF-Round 354:   http://codeforces.com/problemset/problem/676/A

[58] CF-Round 363:   http://codeforces.com/problemset/problem/699/A

[59] CF-Round 368:   http://codeforces.com/problemset/problem/707/A

[60] CF-Round 399:   http://codeforces.com/problemset/problem/768/A

[61] CF-Round 106:   http://codeforces.com/problemset/problem/149/A

[62] CF-Round 108:   http://codeforces.com/problemset/problem/152/A

[63] CF-Round 110:   http://codeforces.com/problemset/problem/157/A

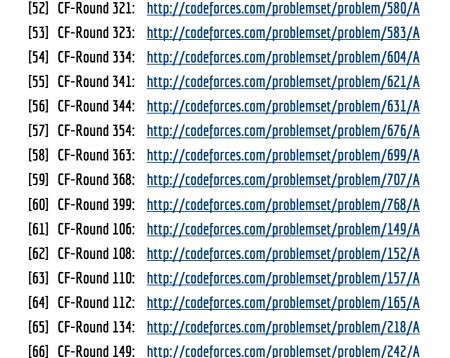[64] CF-Round 112:   http://codeforces.com/problemset/problem/165/A

[65] CF-Round 134:   http://codeforces.com/problemset/problem/218/A

[66] CF-Round 149:   http://codeforces.com/problemset/problem/242/A

[67] CF-Round 179:   http://codeforces.com/problemset/problem/296/A

[68] CF-Round 182:   http://codeforces.com/problemset/problem/302/A

Codeforces - List

[69] CF-Round 204:   http://codeforces.com/problemset/problem/352/A

[70] CF-Round 209:   http://codeforces.com/problemset/problem/359/A

[71] CF-Round 215:   http://codeforces.com/problemset/problem/368/A

[72] CF-Round 226:   http://codeforces.com/problemset/problem/385/A

[73] CF-Round 228:   http://codeforces.com/problemset/problem/389/A

[74] CF-Round 249:   http://codeforces.com/problemset/problem/435/A

[75] CF-Round 251:   http://codeforces.com/problemset/problem/439/A

[76] CF-Round 263:   http://codeforces.com/problemset/problem/462/A

[77] CF-Round 284:   http://codeforces.com/problemset/problem/499/A

[78] CF-Round 287:   http://codeforces.com/problemset/problem/507/A

[79] CF-Round 299:   http://codeforces.com/problemset/problem/535/A

[80] CF-Round 313:   http://codeforces.com/problemset/problem/560/A

[81] CF-Round 325:   http://codeforces.com/problemset/problem/586/A

[82] CF-Round 336:   http://codeforces.com/problemset/problem/608/A

[83] CF-Round 373:   http://codeforces.com/problemset/problem/719/A

[84] CF-Round 113:   http://codeforces.com/problemset/problem/166/A

[85] CF-Round 137:   http://codeforces.com/problemset/problem/222/A

Codeforces - List

[86] CF-Round 147:   http://codeforces.com/problemset/problem/237/A

[87] CF-Round 153:   http://codeforces.com/problemset/problem/252/A

[88] CF-Round 159:   http://codeforces.com/problemset/problem/257/A

[89] CF-Round 181:   http://codeforces.com/problemset/problem/300/A

[90] CF-Round 191:   http://codeforces.com/problemset/problem/327/A

[91] CF-Round 202:   http://codeforces.com/problemset/problem/349/A

[92] CF-Round 207:   http://codeforces.com/problemset/problem/357/A

[93] CF-Round 218:   http://codeforces.com/problemset/problem/371/A

[94] CF-Round 248:   http://codeforces.com/problemset/problem/433/A

[95] CF-Round 260:   http://codeforces.com/problemset/problem/456/A

[96] CF-Round 269:   http://codeforces.com/problemset/problem/471/A

[97] CF-Round 282:   http://codeforces.com/problemset/problem/495/A

[98] CF-Round 288:   http://codeforces.com/problemset/problem/508/A

[99] CF-Round 311:   http://codeforces.com/problemset/problem/557/A

[100] CF-Round 312:   http://codeforces.com/problemset/problem/558/A

[101] CF-Round 316:   http://codeforces.com/problemset/problem/570/A

[102] CF-Round 318:   http://codeforces.com/problemset/problem/574/A

Codeforces - List

[103] CF-Round 331: http://codeforces.com/problemset/problem/596/A

[104] CF-Round 333: http://codeforces.com/problemset/problem/602/A

[105] CF-Round 335: http://codeforces.com/problemset/problem/606/A

[106] CF-Round 398: http://codeforces.com/problemset/problem/767/A

[107] CF-Round 155: http://codeforces.com/problemset/problem/254/A

[108] CF-Round 199: http://codeforces.com/problemset/problem/342/A

[109] CF-Round 201: http://codeforces.com/problemset/problem/347/A

[110] CF-Round 203: http://codeforces.com/problemset/problem/350/A

[111] CF-Round 205: http://codeforces.com/problemset/problem/353/A

[112] CF-Round 264: http://codeforces.com/problemset/problem/463/A

[113] CF-Round 278: http://codeforces.com/problemset/problem/489/A

[114] CF-Round 390: http://codeforces.com/problemset/problem/754/A

[115] CF-Round 187: http://codeforces.com/problemset/problem/315/A

[116] CF-Round 208: http://codeforces.com/problemset/problem/358/A

[117] CF-Round 229: http://codeforces.com/problemset/problem/390/A

[118] CF-Round 232: http://codeforces.com/problemset/problem/397/A

[119] CF-Round 233: http://codeforces.com/problemset/problem/399/A

Lecture Agenda

✔ Section 1: String

✔ Section 2: Collections

Section 3: Implementation I

Section 4: Implementation II

Section 5: Implementation III

HackerEarth - Implementation I

[01] https://www.hackerearth.com/practice/data-structures/arrays/1-d/practice-problems/algorithm/pair-sum-1-0062d9ab/

[02] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/digit-problem/

[03] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/city-travel-59bad87f/

[04] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/array-insert/

[05] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/rain-41f57695/

[06] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/approximate/killjee-and-easy-problem/

[07] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/fitting-circles-c00a5be3/

[08] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/distribute-chocolates-70c2c2ab/

[09] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/print-hackerearth/

[10] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/psychic-powers/

[11] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/binary-associativity-fc8ca73f/

[12] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/hawkeye-and-floodfill/

[13] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/the-dice-d4dc5b11/

[14] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/one-string-no-trouble-37037871/

[15] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/set-numbers-bea74f5a/

[16] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/the-great-kian/

[17] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/count-numbers-46/

[18] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/array-sum-2-725368ac/

HackerEarth - Implementation I

[19] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/plus-plus-60bcac48/

[20] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/magical-tree/

[21] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/find-the-pattern-6/

[22] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/very-easy-1/

[23] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/min-max-3/

[24] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/complete-the-syllabus/

[25] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/jarvis-and-seven-segments-1/

HackerEarth - Implementation II

[01] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/ques-6/

[02] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/ques-2/

[03] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/string-sum/

[04] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/city-group-3/

[05] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/invert-it-b06fd53a/

[06] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/presidential-problem/

[07] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/batman-and-tick-tack-toe/

[08] https://www.hackerearth.com/practice/b/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/round-table-killers-b7b93156/

[09] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/color-the-boxes-47270a3b/

[10] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/addition-aint-simple/

[11] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/alice-and-string-game-dbd6adc3/

[12] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/gupta-chaturvedi-and-saxena-trilogy-b/

[13] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/case-conversion-d19fbcfe/

[14] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/bob-and-bombs-cake-walk/

[15] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/shreya-and-non-palindrome/

[16] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/pythagorean-triangles-0158a4c5/

[17] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/approximate/bank-data-consistency-check-3899a127/

[18] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/final-destination-cakewalk/

HackerEarth - Implementation II

[19] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/warcakewalk/

[20] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/image-smoothing-3/

[21] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/golf/jadoo-hates-maths/

[22] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/diwali-celebration/

[23] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/tic-tac-toe-thingy-7ce8b17b/

[24] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/heman-anil-and-soubhik/

[25] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/killjee-and-superdromes-1f1d31c3/

HackerEarth - Implementation III

[01] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/shitty-fortune/

[02] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/the-savior-3/

[03] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/ispalin/

[04] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/airfares-dbef7f12/

[05] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/mancunian-in-palindromia-3/

[06] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/bracket-balancer-b9f56e12/

[07] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/countries-grouping-1-5b13620a/

[08] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/reflection-is-every-thing-2fff0566/

[09] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/mr-x-and-string-4836920e/

[10] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/rhezo-and-character-frequency-3/

[11] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/mosalas-mostatilioo-f012275c/

[12] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/acronym-2/

[13] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/epiphany-coming-soon-43c4af4b/

[14] https://www.hackerearth.com/practice/basic-programming/implementation/basics-of-implementation/practice-problems/algorithm/greatest-string-fcf3e37c/

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Lecture Agenda

✓ Section 1: String

✓ Section 2: Collections

✓ Section 3: Implementation I

Section 4: Implementation II

Section 5: Implementation III

HackerEarth - Implementation I

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Lecture Agenda

✓ Section 1: String

✓ Section 2: Collections

✓ Section 3: Implementation I

✓ Section 4: Implementation II

Section 5: Implementation III

HackerEarth - Implementation I

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Lecture Agenda

✓ Section 1: String

✓ Section 2: Collections

✓ Section 3: Implementation I

✓ Section 4: Implementation II

✓ Section 5: Implementation III