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**AWS Big Data: MapReduce Assignment**

**Problem statement:**

You work as a Big Data Engineer at GrapeVine Pvt. Ltd. Your company is currently working on English language analytics using Hadoop. You have been assigned certain tasks for the fulfillment of this activity. You’re currently using AWS services.

Link for the dataset: https://intellipaat-course-attachments.s3.ap-south-1.amazonaws.com/Hadoop/hadoop\_dataset.rar

**Tasks to be completed:**

1. Find out the count of each word in the ‘Shakespeare.txt’ dataset in the ‘Shakespeare.rar’**(Attached final\_output.csv for all word counts in folder**

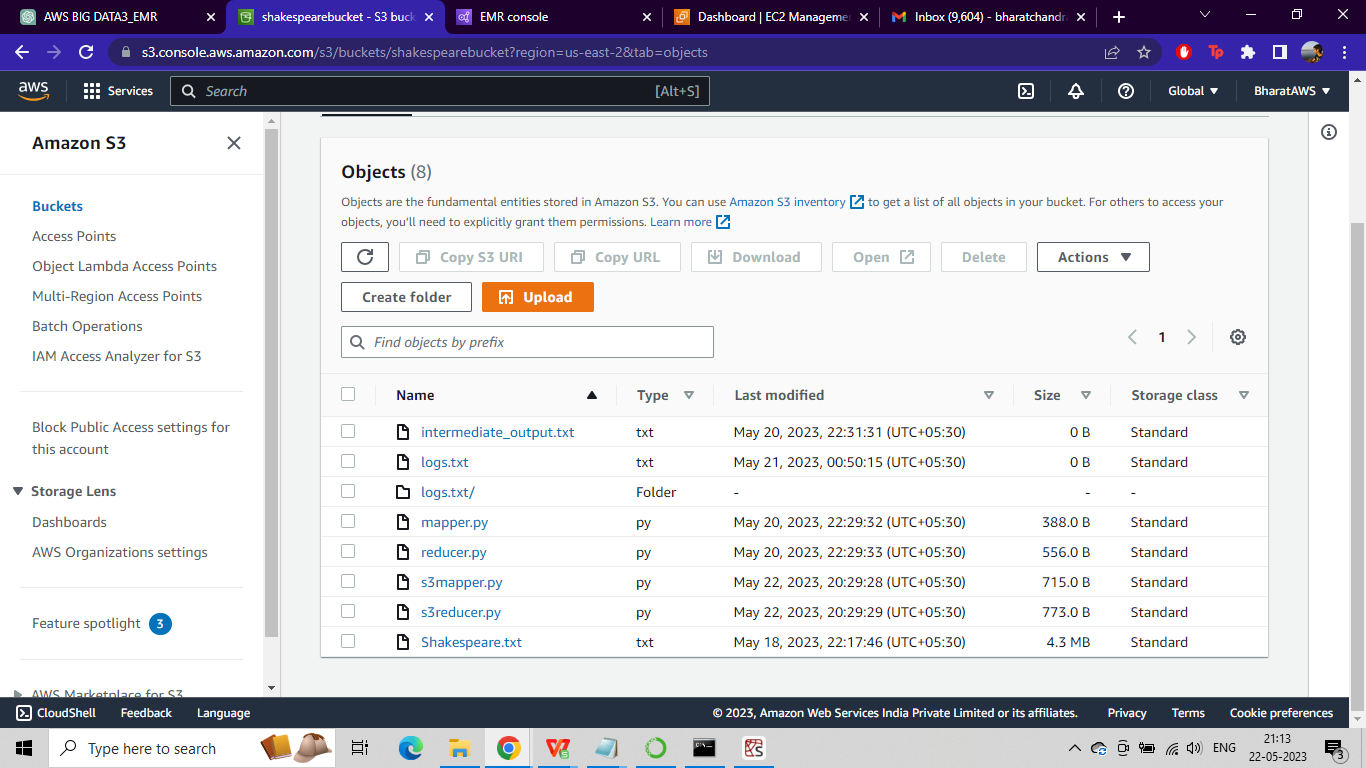
**)**

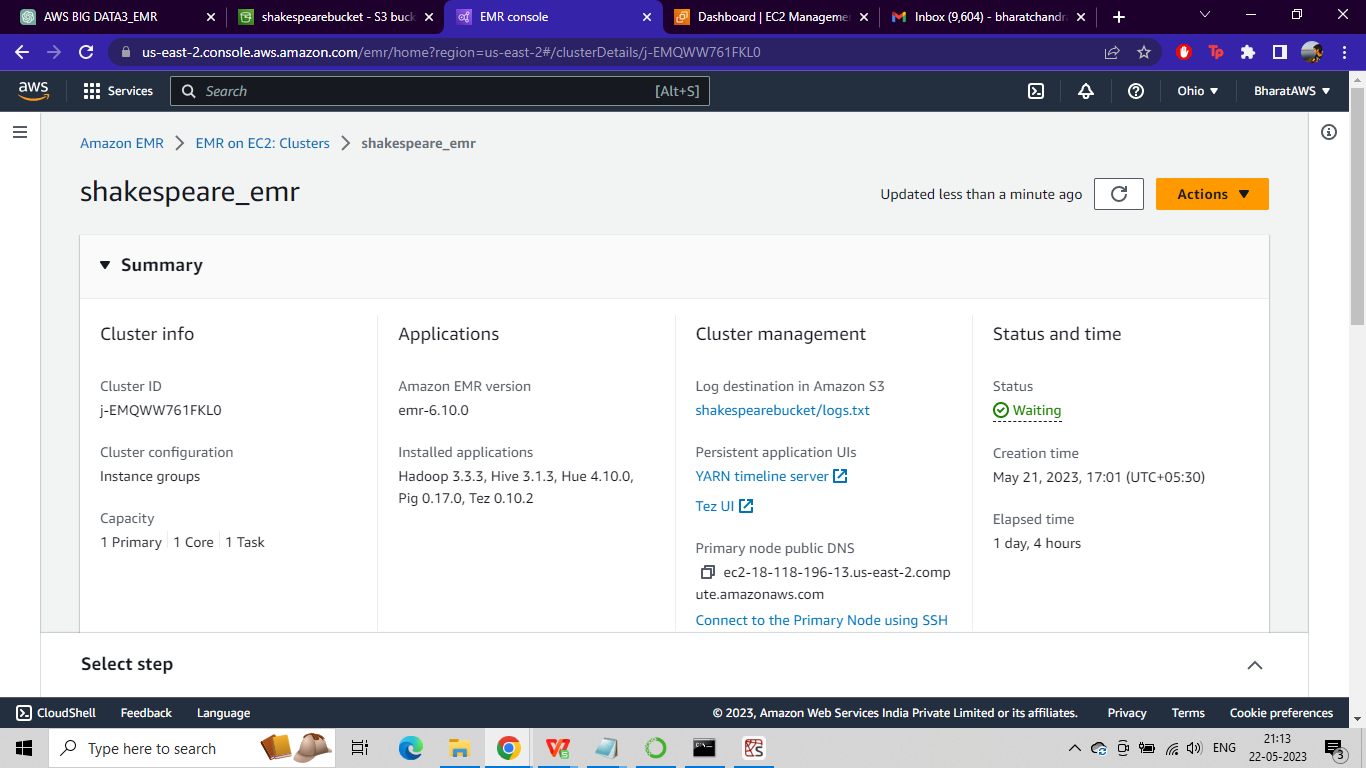
2. Find out the count of each word using two reducers only **(Attached final\_output.csv for all word counts in folder**

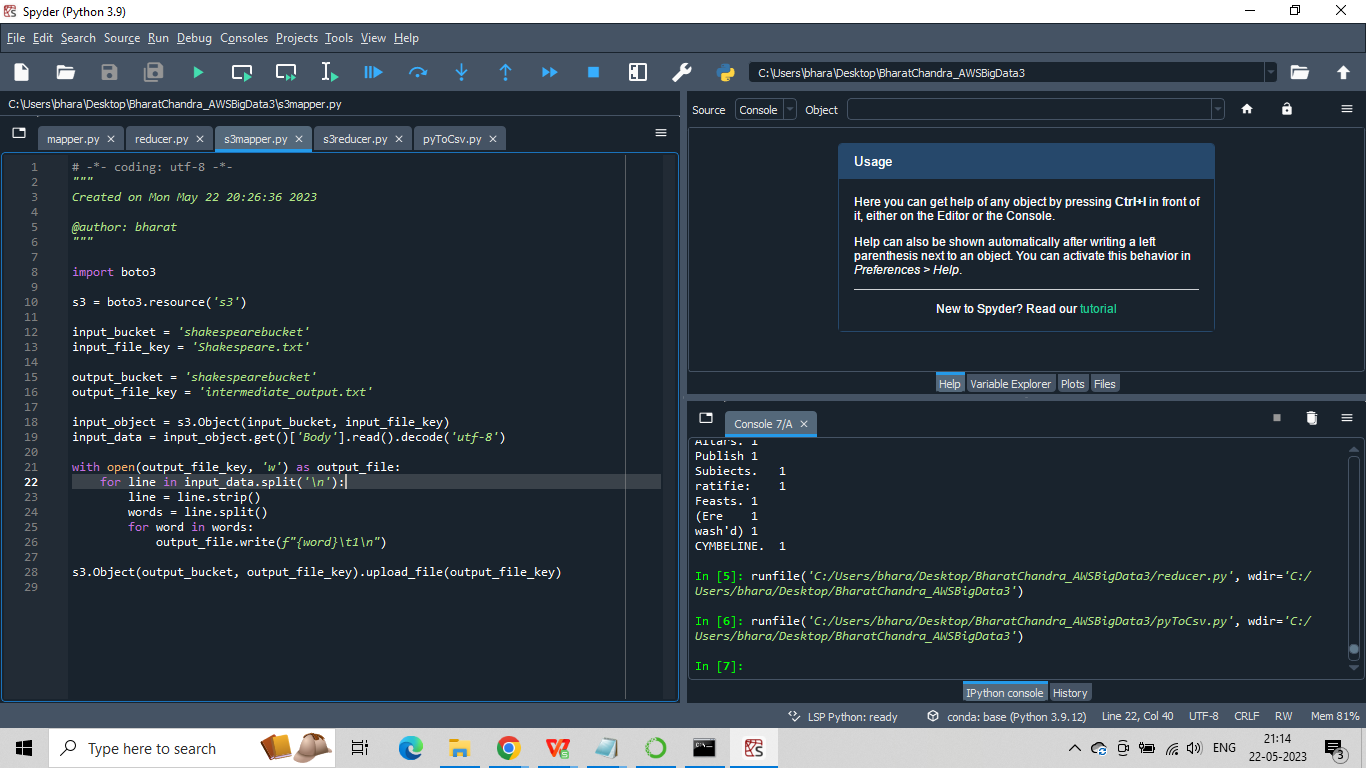
**)**

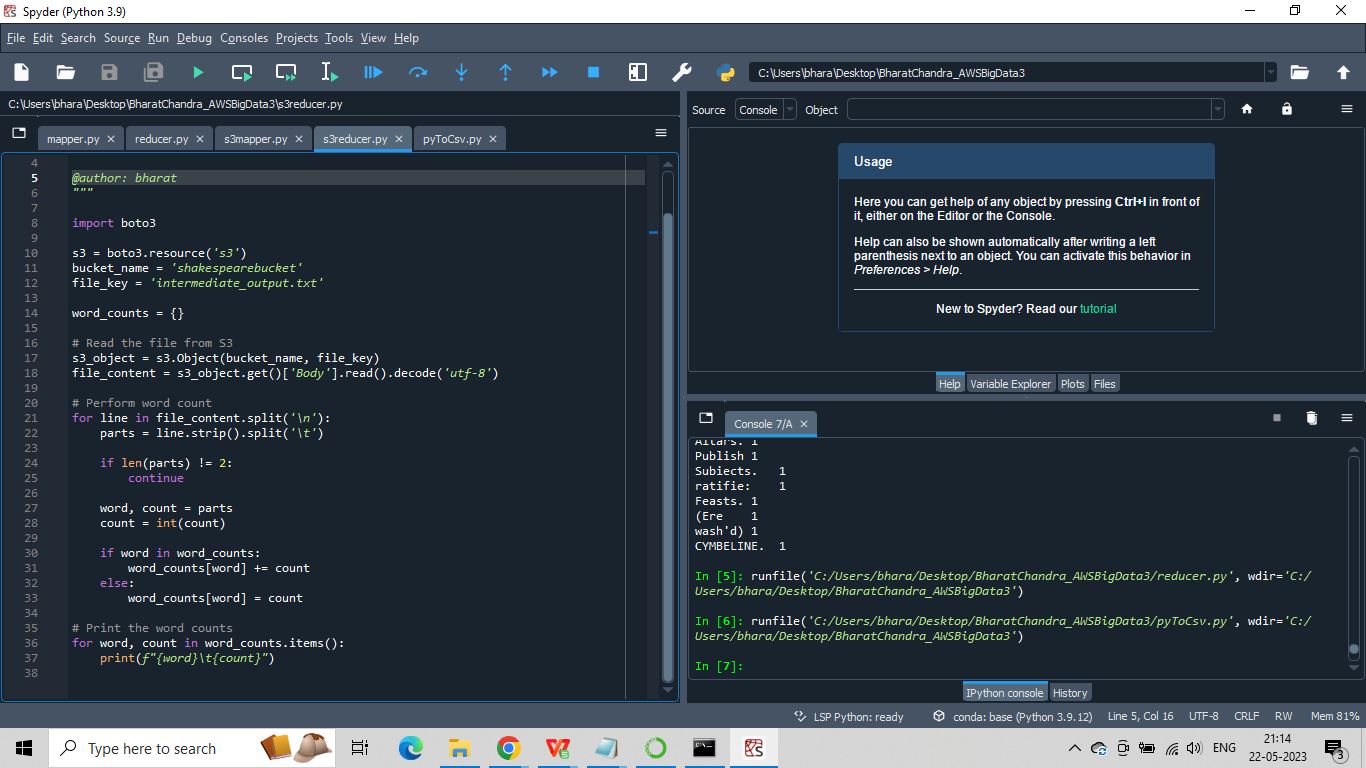
3. Find out the most commonly used words (Words with the count over 100 are considered

common)









Attached final\_output.csv for all word counts in folder

**Most common words:**

|  |  |
| --- | --- |
| **Word** | **Count** |
| of | 14571 |
| This | 1028 |
| is | 7459 |
| our | 2695 |
| most | 905 |
| these | 1000 |
| the | 21652 |
| are | 2777 |
| all | 2688 |
| world, | 104 |
| be | 5454 |
| sure | 208 |
| to | 14978 |
| for | 5372 |
| your | 6186 |
| before | 472 |
| take | 934 |
| a | 12121 |
| at | 2074 |
| in | 8779 |
| this | 4669 |
| We | 611 |
| you | 9838 |
| on | 2293 |
| an | 1307 |
| next | 120 |
| Do | 277 |
| not | 6761 |
| To | 2831 |
| The | 3321 |
| By | 679 |
| and | 16624 |
| Since | 131 |
| get | 235 |
| further | 129 |
| by | 2593 |
| should | 1291 |
| or | 1632 |
| new | 191 |
| from | 2086 |
| which | 1220 |
| we | 2284 |
| do | 1695 |
| any | 730 |
| with | 6217 |
| now | 1374 |
| one | 1242 |
| time | 613 |
| better | 456 |
| nor | 554 |
| till | 383 |
| last | 170 |
| day | 431 |
| such | 1147 |
| A | 1513 |
| may | 1311 |
| often | 106 |
| those | 411 |
| who | 512 |
| wish | 169 |
| first | 341 |
| please | 289 |
| has | 127 |
| it | 5329 |
| that | 7179 |
| will | 3825 |
| do, | 117 |
| but | 3411 |
| see | 1065 |
| least | 117 |
| more | 1578 |
| about | 313 |
| two | 547 |
| each | 164 |
| rather | 261 |
| hundred | 102 |
| If | 1430 |
| then | 2387 |
| as | 3861 |
| away | 361 |
| One | 172 |
| 1 | 202 |
| ten | 101 |
| thousand | 287 |
| present | 193 |
| At | 203 |
| end | 177 |
| some | 1015 |
| good | 1984 |
| so | 3046 |
| something | 110 |
| it, | 623 |
| want | 113 |
| All | 327 |
| made | 662 |
| For | 1636 |
| other | 505 |
| When | 696 |
| if | 1896 |
| I | 19071 |
| still | 305 |
| would | 1882 |
| send | 210 |
| how | 966 |
| You | 1299 |
| could | 512 |
| past | 101 |
| go | 525 |
| through | 201 |
| bin | 190 |
| Why | 880 |
| They | 428 |
| tell | 768 |
| might | 389 |
| there | 984 |
| wrong | 122 |
| free | 111 |
| what's | 133 |
| you. | 213 |
| It | 886 |
| can | 931 |
| part | 263 |
| not, | 444 |
| within | 193 |
| must | 1249 |
| like | 1366 |
| no | 2368 |
| without | 244 |
| set | 373 |
| forth | 231 |
| they | 1776 |
| cannot | 664 |
| But | 2326 |
| Some | 215 |
| you, | 1043 |
| hold | 297 |
| it. | 241 |
| word | 286 |
| long | 296 |
| when | 1140 |
| does | 120 |
| into | 518 |
| (as | 139 |
| Honor | 131 |
| were | 1263 |
| time, | 222 |
| In | 954 |
| here | 416 |
| Nay | 207 |
| answer | 191 |
| me: | 339 |
| & | 581 |
| selfe | 739 |
| liue | 302 |
| King | 809 |
| As | 1240 |
| out | 925 |
| words | 203 |
| had | 1194 |
| being | 477 |
| thus | 407 |
| very | 608 |
| why | 293 |
| did | 1245 |
| way, | 112 |
| play | 185 |
| place | 188 |
| was | 1856 |
| common | 120 |
| day, | 223 |
| times | 143 |
| many | 430 |
| them | 1271 |
| high | 172 |
| My | 1544 |
| father | 123 |
| him | 3120 |
| England | 111 |
| best | 342 |
| my | 10465 |
| he | 4051 |
| great | 688 |
| though | 356 |
| his | 5783 |
| name | 345 |
| What | 1749 |
| come | 1115 |
| Prince | 219 |
| left | 204 |
| put | 420 |
| them. | 111 |
| what | 2121 |
| So | 833 |
| thing | 342 |
| off | 257 |
| way | 330 |
| me | 4702 |
| make | 1362 |
| right | 202 |
| hope | 256 |
| thou | 4020 |
| gentle | 287 |
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| hath | 1541 |
| euer | 538 |
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| looke | 473 |
| Not | 423 |
| Lord | 1199 |
| Kings | 178 |
| Gentleman | 122 |
| Noble | 442 |
| O | 1101 |
| ill | 154 |
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| feare | 350 |
| know | 1305 |
| their | 1768 |
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| beene | 325 |
| thinke | 748 |
| both | 374 |
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| much | 795 |
| him, | 988 |
| owne | 597 |
| done | 335 |
| There | 391 |
| finde | 373 |
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| onely | 210 |
| keepe | 365 |
| worthy | 148 |
| noble | 115 |
| man | 1001 |
| neere | 140 |
| hands | 146 |
| meanes | 187 |
| And | 7029 |
| shew | 257 |
| Your | 587 |
| From | 321 |
| Well | 205 |
| wil | 182 |
| stand | 360 |
| wee | 218 |
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| That | 2608 |
| doth | 705 |
| be, | 175 |
| worth | 114 |
| sit | 135 |
| know, | 152 |
| himselfe | 233 |
| death | 337 |
| pray | 486 |
| where | 615 |
| His | 475 |
| hand | 350 |
| him. | 274 |
| yours | 104 |
| wit | 108 |
| againe, | 231 |
| againe | 284 |
| doe | 1022 |
| whom | 285 |
| bee | 269 |
| Like | 164 |
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| Richard | 105 |
| Henry | 148 |
| Lear. | 174 |
| draw | 150 |
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| too | 796 |
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| Or | 638 |
| ne're | 105 |
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| her | 2759 |
| art | 644 |
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| Of | 864 |
| all, | 217 |
| Rome | 120 |
| hast | 526 |
| He | 1071 |
| came | 253 |
| Our | 359 |
| Nature | 133 |
| weare | 150 |
| Which | 777 |
| she | 1399 |
| Yet | 319 |
| Thy | 343 |
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| Can | 137 |
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| With | 894 |
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