Mohdeep Singh109600239 msingh820@mySeneca.ca  
Click or tap here to enter text.

1.

hey! golden, golden, ! as i open my eyes hold it, focus, hoping take me back to the light i know you were way too bright for me i'm hopeless, broken so you wait for me in the sky browns my skin just right you're so ! you're so ! i'm out of my head and i know that you're scared because hearts get broken i don't wanna be alone i don't wanna be alone when it ends don't wanna let you know i don't wanna be alone but i, i can feel it take a hold (i can feel it take a hold) i can feel you take control (i can feel you take control) of who i am and all i've ever known loving you's the antidote ! you're so golden i don't wanna be alone you're so golden you're so golden i'm out of my head and i know that you're scared because hearts get broken i know that you're scared because i'm so open you're so ! i don't wanna be alone you're so ! you're so ! you're so ! i'm out of my head and i know that you're scared because hearts get broken

2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| token | replace character string | Length | *n* | Savings: Length × n  – 1 - Length – n | |  |
| ! | golden | 7 | 13 | 70 |  |  |
| @ | you're | 7 | 13 | 70 |  |  |
| # | don’t | 6 | 6 | 23 |  |  |
| $ | wanna | 6 | 6 | 23 |  |  |
| % | alone | 6 | 5 | 18 |  |  |
| & | because | 5 | 4 | 10 |  |  |
| \* | know | 4 | 6 | 13 |  |  |
| ( | can | 4 | 4 | 7 |  |  |
| ) | you | 4 | 5 | 10 |  |  |
| \_ | feel | 5 | 4 | 10 |  |  |
| + | so | 3 | 11 | 18 |  |  |
| = | head | 5 | 3 | 6 |  |  |
| 1 | hearts | 7 | 3 | 10 |  |  |
| 2 | that | 4 | 4 | 7 |  |  |
| 3 |  | 0 |  |  |  |  |
| 4 |  | 0 |  |  |  |  |
| 5 |  | 0 |  |  |  |  |
| 6 |  | 0 |  |  |  |  |
| 7 |  | 0 |  |  |  |  |
| 8 |  | 0 |  |  |  |  |
| 9 |  | 0 |  |  |  |  |
| 0 |  | 0 |  |  |  |  |
| Total original Characters (with spaces) count from Word doc | | 449 |  |  |  |  |
| Total dictionary and compressed text Characters (with spaces) | | 350 |  |  |  |  |
| Difference in totals | | 99 |  | 295 | Total characters saved from above calcs | |
| original and saved | | 78% |  | 66% |  |  |

3. Dictionary and compressed text below

|  |  |
| --- | --- |
| ! | golden |
| @ | you're |
| # | don’t |
| $ | wanna |
| % | alone |
| & | because |
| \* | know |
| ( | can |
| ) | you |
| \_ | feel |
| + | so |
| = | head |
| 1 | hearts |
| 2 | that |

hey! ! ! ! as i open my eyes hold it, focus, hoping take me back to the light i \*)were way too bright for me i'm hopeless, broken +)wait for me in the sky browns my skin just right @+! @+! i'm out of my =  
and i \*2@scared & 1get broken i #$be % i #$be % when it ends #$let )\* i #$be % but i, i (\_it take a hold (i (\_it take a hold) i (\_)take control (i (\_)take control) of who i am and all i've ever known loving you's the antidote ! @+! i #$be % @+! @+! i'm out of my = and i \*2@scared & 1get broken i \*2@scared &i'm +open @+! i #$be % @+! @+! @+! i'm out of my = and i \*2@scared & 1get broken

4.

hey! golden, golden, ! as i open my eyes hold it, focus, hoping take me back to the light i know you were way too bright for me i'm hopeless, broken so you wait for me in the sky browns my skin just right you're so ! you're so ! i'm out of my head and i know that you're scared because hearts get broken i don't wanna be alone i don't wanna be alone when it ends don't wanna let you know i don't wanna be alone but i, i can feel it take a hold (i can feel it take a hold) i can feel you take control (i can feel you take control) of who i am and all i've ever known loving you's the antidote ! you're so golden i don't wanna be alone you're so golden you're so golden i'm out of my head and i know that you're scared because hearts get broken i know that you're scared because i'm so open you're so ! i don't wanna be alone you're so ! you're so ! you're so ! i'm out of my head and i know that you're scared because hearts get broken

5.

To get back to original format, follow the dictionary and implement to compressed text.

6. A screenshot of a computer screen

Description automatically generated with low confidence

7.  
parrot.gif ratio % is 0.that means it doesn’t compressed.

.gif is lossless data compression format. No information is loss while compression.

8. newcopy\_CP4P\_Compression\_Activity\_calculator

This file compressed the most .xls

The information in this file stored in binary format that’s why compression it the most as compared to other file or

9. Right now I have compressed zip file in my PC.

A screenshot of a computer

Description automatically generated

I have google drive account and I successfully backed up the zip file to my gdrive account.

A screenshot of a computer

Description automatically generated

10. I have lots of working files in my computer and apart from my work I have important college assignments. To keep up with everything, I am using google drive paid account. So, the backup is automatic whenever I finished some work, I make sure that my all application is closed, so it will be automatically uploaded to the cloud. I also have hard disk in case if I have internet problem or failed to access online server. Whenever a file is successfully sync with my google account I got a pop up. So, this is how I make sure my all files are secured.

11. I think I follow three characteristics of backup. First, I have active files in my computer that I am working on it 24/7. Second, I used portable hard disk to create a local backup which is by the way very useful even when I don’t have access to internet. And third I have google drive where its sync actively and also make a copy of whole three day updates and stores at a location in google drive (in one way, not sync). Even thou I know everything is backed up but still I double check and see the date when my data is modifies.

12. So if my backup is stored in the google drive, in this case I can borrow any of my friend computer or family computer and happily access my all my data there. But I will make sure when I return the computer, I successfully logout my account.

Other way is if I backup my data using a portable hard drive. If it’s this case, I can put my hard drive to any borrowed computer and access it and backed again to the same hard drive. These two are the way to access my data, when I don’t have my computer around me.

13. Firstly, if its important assignment I will make sure I have three copies of it(locally, hard drive, cloud). In worst case scenario, I will start the assignment again from scratch because I don’t have any other choice. I could also ask the professor and discuss about my issue, If I am lucky he or she can give me another day to submit the assignment.