HLA MYINT MYAT185923216 hmyat1@mySeneca.ca  
Click or tap here to enter text.

**Part 1: Compression (40 points)**

🡺 Paste the lyrics of your chosen song here, with attribution please.

I never meant to cause you any sorrow

I never meant to cause you any pain

I only wanted one time to see you laughing

I only want to see you laughing

In the purple rain

Purple rain, purple rain

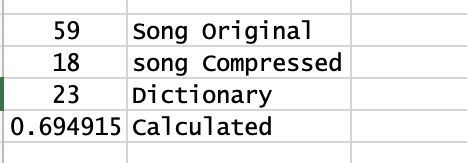
Purple rain, purple rain

Purple rain, purple rain

I only want to see you bathing

In the purple rain

🡺 After your compression efforts, select completed cells from the CP4P\_Compression\_Activity\_calculator Excel spreadsheet and paste here ↓



🡺 Paste your dictionary and compressed text in the table below.

|  |  |
| --- | --- |
| I never meant to cause you any=!  Purple rain, purple rain=@  I only want to see you= #  In the purple rain=$  laughing=% | Dictionary |
| !sorrow  !pain  I only wanted one time to see you %  #%  $  @  @  @  #bathing  $ | Compressed text |

🡺 T**est your compression dictionary by decompressing.** Process dictionary items from the bottom up: find the compression character in the compressed data and replace it with the original string.   
**Paste the decompressed version below** – *even if it is not perfect*.

I never meant to cause you any sorrow

I never meant to cause you any pain

I only wanted one time to see you laughing

I only want to see you laughing

In the purple rain

Purple rain, purple rain

Purple rain, purple rain

Purple rain, purple rain

I only want to see you bathing

In the purple rain

🡺 **What modifications, if any, does the compression dictionary need to return the compressed data back into its original state?** (If none, then well done! but please make a note.)

NEED TO ADD SPACES TO GET BACK INTO ITS ORIGINAL STATE.

**Part 2: File formats with built-in compression…or not. (20 points)**

**🡺** Paste the image of the Windows [File] Explorer .zip archive information or equivalent from macOS.

Text, table

Description automatically generated with medium confidence

🡺 Files with the **lowest** ratios were compressed the **least**. Ratio indicates % of space saved.  
Which file types compressed the least? **Why** would that be?

Parrot.bmp is compressed the least because it has the lowest ratio and it is the image.

🡺 Files with the **highest** ratios were compressed the **most**. Ratio indicates % of space saved.   
Which file types compressed the most? **Why** would that be?

Parrot.gif was compressed the most. Because it is a gif file.

**Part 3: Backup (40 points)**

🡺 paste a screen shot of your backup results. (use the Screen Snip tool) **(10 points)**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated  
Describe your backup & restore strategy in case your computer suddenly stopped working…  
**(30 points total for four answers ~100 words each, 400 in total.)**

🡺 What is (or what should have been) your backup routine? How do you ensure your backup is current?

I don’t usually backup. Or may be once in 3 to 5 months. But now I will try to back up once a week. It will be easier.

🡺 How does your backup routine address the three characteristics of a real backup and fulfill the 3-2-1 backup check?

Firstly, I will have 3 copies of the file. Then I will have to save those in 2 different platforms. After that, I have to place those in geographically separate location.

🡺 Now that you have a backup *but no computer*, how will you access and work with the current version of your backed up files? What is your restore/recovery strategy?

🡺 Estimate how long this would take…and what if you a had a big assignment due tomorrow?