Cameron Benner

Monday Nov. 26th, 2018

IT FDN 100 B

Assignment 06

***Introduction:*** In this chapter we were introduced to **Functions** and **Classes.** Both of these tools are useful for grouping operations and groups of code and are related conceptually to the ideas of abstraction and encapsulation. Because I struggled with the last assignment, I repurposed much of the code from Professor Root’s answer to Module 5, and then used this code as the basis for the functions that we were tasked with designing. These functions were defined to complete the tasks on our list of items and priorities – whether it be loading the data, adding or removing an item, and eventually saving the data to a ToDo.txt file.

In this assignment we also learned about different types of arguments, including **Keyword & Positional Arguments,** and additionally we learned about different variable types including Global variables. Encapsulation and abstraction refer to the process of how discrete code blocks rely on variables that can be defined specifically within each function and/or class, depending on the specific needs of each function.

**Defining the Functions within a Class:**

After loading in the script from Professor Root’s answer file, I set out with defining several functions within a class that I called ‘Operator’ [Fig 1, Lines 60, 68, 74, 89] A function was defined for each task that we were to complete. A major hang-up that I had at this stage was getting the code to read data that had already been entered into the .txtfile prior to reading the file into the script. [Fig 2.] I was not able to overcome this issue, but it also did not seem to interrupt the rest of the scripts functionality.

A close up of text on a black background

Description automatically generated

Figure : Defining the Class of Functions, named ‘Operators’

A picture containing screenshot

Description automatically generated

Figure : Error Returned when attempting to load in .txt file with previously entered data

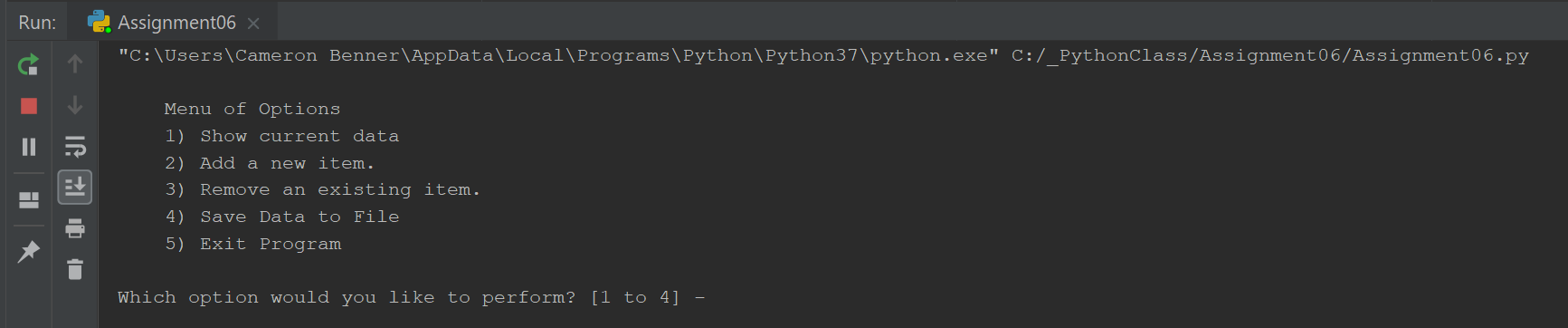


Figure : Python Script for “Assignment 06” Stored in appropriate location

**Error When Attempting to ‘Load Data’**

I troubleshooted this error for nearly an hour, and it seemed that the error resulted from how the data was entered into the .txt file. No error occurred when data was entered in via the PyCharm script, via user input. But, the above error [Fig. 2] would occur if data was entered directly into the .txt file, after attempting to load the .txt file into memory for the script. The script functioned correctly in PyCharm.

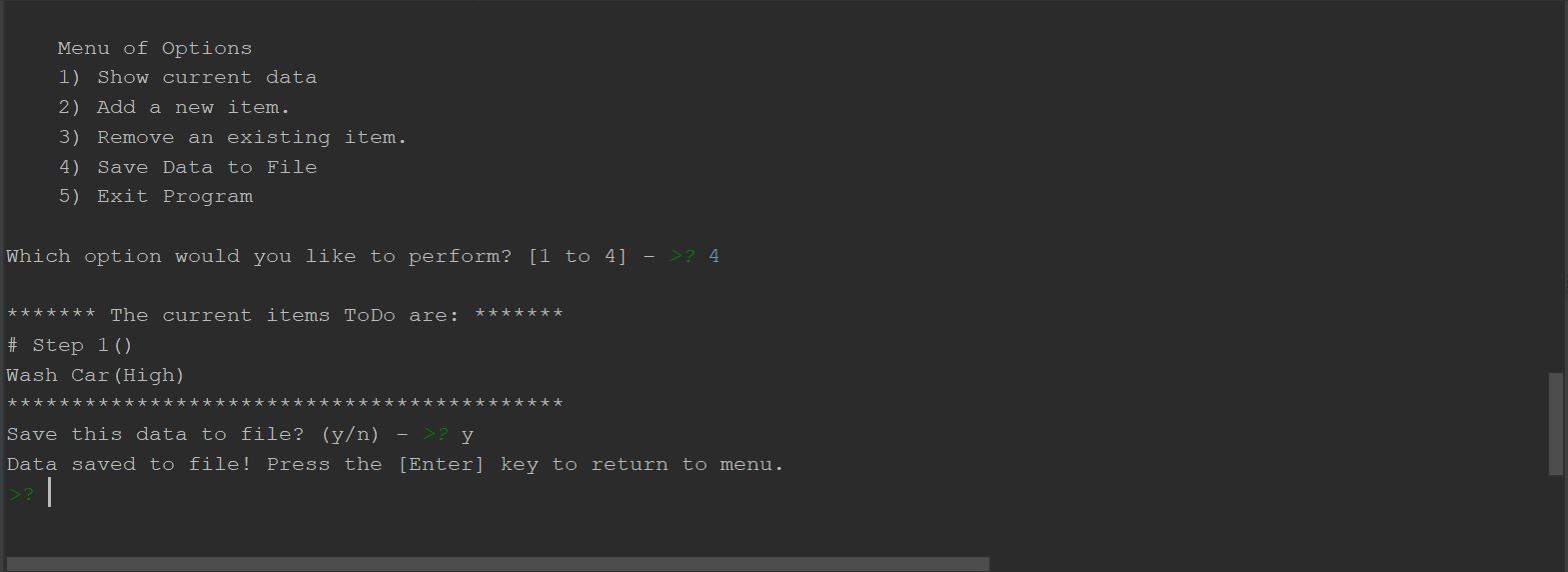


Figure :Functioning Script in PyCharm

I was able to get the script to successfully write the user inputted item and priority to the .txtfile [Fig. 4]

![A screenshot of a cell phone

Description automatically generated](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAqACoAAD/4RD4RXhpZgAATU0AKgAAAAgABAE7AAIAAAAPAAAISodpAAQAAAABAAAIWpydAAEAAAAeAAAQ0uocAAcAAAgMAAAAPgAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAENhbWVyb24gQmVubmVyAAAABZADAAIAAAAUAAAQqJAEAAIAAAAUAAAQvJKRAAIAAAADNTQAAJKSAAIAAAADNTQAAOocAAcAAAgMAAAInAAAAAAc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAADIwMTg6MTE6MjggMjE6NTU6MTkAMjAxODoxMToyOCAyMTo1NToxOQAAAEMAYQBtAGUAcgBvAG4AIABCAGUAbgBuAGUAcgAAAP/hCyFodHRwOi8vbnMuYWRvYmUuY29tL3hhcC8xLjAvADw/eHBhY2tldCBiZWdpbj0n77u/JyBpZD0nVzVNME1wQ2VoaUh6cmVTek5UY3prYzlkJz8+DQo8eDp4bXBtZXRhIHhtbG5zOng9ImFkb2JlOm5zOm1ldGEvIj48cmRmOlJERiB4bWxuczpyZGY9Imh0dHA6Ly93d3cudzMub3JnLzE5OTkvMDIvMjItcmRmLXN5bnRheC1ucyMiPjxyZGY6RGVzY3JpcHRpb24gcmRmOmFib3V0PSJ1dWlkOmZhZjViZGQ1LWJhM2QtMTFkYS1hZDMxLWQzM2Q3NTE4MmYxYiIgeG1sbnM6ZGM9Imh0dHA6Ly9wdXJsLm9yZy9kYy9lbGVtZW50cy8xLjEvIi8+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczp4bXA9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC8iPjx4bXA6Q3JlYXRlRGF0ZT4yMDE4LTExLTI4VDIxOjU1OjE5LjU0MjwveG1wOkNyZWF0ZURhdGU+PC9yZGY6RGVzY3JpcHRpb24+PHJkZjpEZXNjcmlwdGlvbiByZGY6YWJvdXQ9InV1aWQ6ZmFmNWJkZDUtYmEzZC0xMWRhLWFkMzEtZDMzZDc1MTgyZjFiIiB4bWxuczpkYz0iaHR0cDovL3B1cmwub3JnL2RjL2VsZW1lbnRzLzEuMS8iPjxkYzpjcmVhdG9yPjxyZGY6U2VxIHhtbG5zOnJkZj0iaHR0cDovL3d3dy53My5vcmcvMTk5OS8wMi8yMi1yZGYtc3ludGF4LW5zIyI+PHJkZjpsaT5DYW1lcm9uIEJlbm5lcjwvcmRmOmxpPjwvcmRmOlNlcT4NCgkJCTwvZGM6Y3JlYXRvcj48L3JkZjpEZXNjcmlwdGlvbj48L3JkZjpSREY+PC94OnhtcG1ldGE+DQogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIAogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgCiAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAKICAgICAgICAgICAgICAgICAgICAgICAgICAgIDw/eHBhY2tldCBlbmQ9J3cnPz7/2wBDAAcFBQYFBAcGBQYIBwcIChELCgkJChUPEAwRGBUaGRgVGBcbHichGx0lHRcYIi4iJSgpKywrGiAvMy8qMicqKyr/2wBDAQcICAoJChQLCxQqHBgcKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKioqKir/wAARCACyAVgDASIAAhEBAxEB/8QAHwAAAQUBAQEBAQEAAAAAAAAAAAECAwQFBgcICQoL/8QAtRAAAgEDAwIEAwUFBAQAAAF9AQIDAAQRBRIhMUEGE1FhByJxFDKBkaEII0KxwRVS0fAkM2JyggkKFhcYGRolJicoKSo0NTY3ODk6Q0RFRkdISUpTVFVWV1hZWmNkZWZnaGlqc3R1dnd4eXqDhIWGh4iJipKTlJWWl5iZmqKjpKWmp6ipqrKztLW2t7i5usLDxMXGx8jJytLT1NXW19jZ2uHi4+Tl5ufo6erx8vP09fb3+Pn6/8QAHwEAAwEBAQEBAQEBAQAAAAAAAAECAwQFBgcICQoL/8QAtREAAgECBAQDBAcFBAQAAQJ3AAECAxEEBSExBhJBUQdhcRMiMoEIFEKRobHBCSMzUvAVYnLRChYkNOEl8RcYGRomJygpKjU2Nzg5OkNERUZHSElKU1RVVldYWVpjZGVmZ2hpanN0dXZ3eHl6goOEhYaHiImKkpOUlZaXmJmaoqOkpaanqKmqsrO0tba3uLm6wsPExcbHyMnK0tPU1dbX2Nna4uPk5ebn6Onq8vP09fb3+Pn6/9oADAMBAAIRAxEAPwD6RooooAKK5jVNW1s3ko0uCHybfkbnA85v7pyOB3yKzZda8Tw54hfb8oyyjeG6t04K9h3q+RmTqwR3NFcFB4y1KyeWTV1Vo41ChUxzj+PgdT6V3tTJOLsyoTjNXiFFFFIsKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKZO2y3kb0Un9KfVDWZjDpzEdSwH5mmld2Jm+WLZhiTMIf5suNxwazbqTrw//AH1Vm6YIAoA4GBk1j3UvX5V/OuyK1PJqTsrFG8iM+n6o5DYigUjJ/wBqvSddsdR1HSmt9H1iTR7osCLuO3jmKgHkbXBXmvPxFnwlq9xhfmQL19GFeo1y1tar+R34RWopnk/hq08d6v4k8QWM/wARLkR6LfR2640m0/fKYkkOfk4+9jiuqk+KnguHUDZya5GCs32dp/JkNusn90z7fLB+rVz2mwXtzcfFeDSSwvpbkpbFDg+YbKMLg9jnFQ2fiLwgn7Pa25urJLZNI+xyWTkeYLjy9piMf3vM354xknn3rPm9y/ZJ+t1/wPxOq3vW7tr0s/6+42fHV5r8vjXwtoXh7X5NETU0vHnmjtYpy3lIjLxIpx1PTHWqmo6j4v8Ah59m1LxDrkHiTQHuI4LySSyS2uLMOwRZAYzsdQxGQVBwazN76J4j+FS+I50tZ7fSrqO5e4kChZBbxAgseM54q/8AELxFpni3TF8FeGL2DVdU1SaJJRZyCVbKFZFZ5ZSuQoAGACQSSMVfLyySWuv6v9PuJTvG77HX6/4z0HwxNbw6zf8AlXFzkw28MMk80gHUiONWYj3xirWg+ItJ8T6Wuo6DfR3tqWKF0yCjDqrKcFWHoQDXGaTeWWkfG3xOmuzR211f2lodLkuXC+bbohEiRk+kmSVHPINHhHUdOPjnxzr9pd2yaATaq96JFWBp44285t/Q4BQFs449qlbX/r+v1G9Pw/r+uhc8V/Em08MeNNG0WaKdoroyteSJYXEpRRHuTy9ikMSeuN2B1A610mneJtJ1TUrzT7O6JvLJI5LiGWJ4mRJF3K2HAyCO4zg8HmuU8ZX1rB8SPh/ezXMSWsk14izs4EZLwfIN3T5u3rXL/Fj7XrXicReBhLNq1lpMjaxLayhd9g5BEAbB/eN8zJ0IwT3pXaWvn/X+fkO13p5fn/VvM6TxH8XdH07T9Iu9FeS+g1DUUt2mFhcunlBysjIVTDEEEAAnPUA13en38GqafDe2ZkMEy7k82F4mx7o4DD6ECvNfFupaI/gDwPqeitFBoUes6fJE4+VIIgSBuPRcdDnoeteoRSxzxiSCRZEboyNkH8RVWsmn0bX4Ii92n3V/xY+kY4U49KwJ9B1qTXftsXi6/hs/NV/7PW0tjHtGMpuMe/Bx13Z54Nb7fdP0qJfA2V1PKPhB4/1zWFg0zxtOk95qNu1/pl4saxi4iVyjxEKAN6EZwOSrA9q63Rda1C7+J/ijSbi432NhbWUltFsUeW0gkLnIGTnaOpOMcVxfhLwtJ4m+AfhxtMmFprem77vS7v8A55TrK+Af9hh8rDoQenFVPDGt3fjHVviLc6XDLaavJo1tbNbH5Xt7tY50ZM+occH6GrqPlvbpf+v0f39Skr/O3y1X/D/euh3knxU8Fw6gbOTXIwVm+ztP5Mht1k/umfb5YP1aqniv4lWnhjxpo2iyxztFdea13IlhcSlFEe5PL2KQxJ643YHUDrWHZ+IvCCfs9rbm6sktk0j7HJZOR5guPL2mIx/e8zfnjGSefemSmbRdU+Ey+IZBbzw20tvcSTtgCY2gG0seMkgj3NDVpNdrfO9/8vxM73V+6fyt/X4Hda1420Dw+lodVvmie8TfBBHbyyzOuMlvKRS+B3JHHelbxr4dXw1D4g/tSJtKnkSJLlFZhvdwgUgDKnccHIGO+MV57L9of43+IY5PF0vh6S8srSTTmSG2cXcCqQwVpY2+65Y4U/xZ5xxneLdK0XSPhDq1zDrh8RWd94htrq9uCkbK7meISgCJQp+7yAOue9Ja287fml/XnoU9P68rnpemfEPwtrOtppOnasst5KGaBWhkRLgL1MTsoWQDB+4TwDSa38RfC3h3UZbHVtU8u4t1V7hIreWYW6t0MhRWEYI5+YjjmuY+IOq6Trsvg3T9AvrW81CbW7W6tBaSLIUgTLSS/KeE2AjPQ5xVO58UXetXHip5fE+neF7LS72WzktUtI5bq42qFEjGQkEv0VQhyABkmpk7Jvtf8Lf526jVr+tvxv8Aoj0TU/E+i6N4fGt6lqMMOmsqslxncJA33doGSxPYAEmuIXxpba/8YPDUGhapcNZtY3v2q0YSwfOvl7TJC4U5wTgsvc4rlfDtzb2Ph34Q6hrUqxaTCtxG0k5xHHcNGRAW7A8OAT0zXTahqelaj+0V4cXTZoLi5t9KvEuZIcNtzsKoWHcZJ29t2f4udLWqW83+Ce/9diL3p39PzR6hRRRUlBRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAVXvbGK/h8qfdtzn5WxViimm1qhNJqzOU1XRpoJlGn6ZNeoRyftKpg/wDAjVA6ZqJ6+GZj/wBvsX+Nd1RRzT/mZn7Gl/KjhpdN1efRZ9Kh0FrWO4PMr3MT7T+Bz2ruaKKmzvdu5qkkrJEEFjaWs9xNa2sMMt04knkjjCtKwAAZiPvHAAyewqmfDOgnWf7XOiacdTzn7b9kj87Prvxu/WtOimBm6v4c0TxAIhr2j6fqYhz5X221Sby84zt3A4zgdPSpNL0TStDt2g0TTLPToWO5o7S3WJSfXCgCr1FAFHVdE0rXbdbfW9Ms9RhVtyx3lukqg+oDAjNPOk6cdJOlmwtTp5j8o2nkr5JT+7sxjHtirdFAFG/0TStU05dP1PTLO8sk27ba4t0kjXHTCkEcdqfZaVp+mvM2nWFraNOQ0pghVDIQMAtgc4AA57VbooAzxoGjjSpdLGk2I0+Ys0toLZPKcscklMYOTycjrVmysrXTrOKz0+2htLaFdscEEYREHoFHAFT0UAFFFFAEFlY2mm2cdpp1rDaW0QxHDBGEROc8KOByajttK06yvrq8s7C1t7q8INzPFCqvOR0LsBlsZOM1booAzD4Z0E6z/a50TTjqec/bfskfnZ9d+N361Pqekabrdn9k1nT7XULbcG8m7gWVMjodrAjNXKKOlgM7UfDuiaxZw2mr6PYX9tBjyobq1SVI+MfKrAgcccVz/jzw1PqHgu20rw5YRDyL+zlS3h2RIkcc6O2AcAAKCcD8K7Gijrfzv9wdLeVvvM7T/D2i6TeT3elaPYWVzcnM81tapG8vOfmZQCefWkm8OaHcawmrXGjafLqSDC3r2qNMoxjhyNw4OOtaVFAFE6JpTaN/ZDaZZnTdmz7EbdfJ25zt2Y249sUyy8O6JprW7ado9haNaqy25gtUQwhsbguB8oOBnHXFaNFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFFABRRRQAUUUUAFFFed2Xj7xfrNxqB0HwLbXlnZ301kJ5NcWIyGJypOwxHHT1NG7sHS56JRWQ82uRajdzzJYLpSWQeFQXNwLgZLBv4SmMYxznNV/A2u3PibwHo2t36RR3N9apNKkIIQMRzgEk4+pNHf+u/+Qf1+X+Zv0UUUAFFYHjfxM/g/wfea3HZC/e3Marbmbyt5eRUHzYOPvZ6HpVTRNc8Z3urRQa54NttLsmB33UesrcFOOPkEYzk8daFqD0VzqqKiupWgs5pUALRxswB6ZAzXJeEvEHiPxV4J8Ma5bx6XG99iXU0dZABFhgfJAJ+bIX7xIxmha/h+P/DA9Px/A7Kisuy8QWd/4i1PRoBL9p0tYWnLKAv71SygHPPA5471qUAFFZniXWf+Ed8LanrPkfaPsFrJceTv2eZsUtt3YOM464Nc/wCHfE/jHWLmyfUfBVtp+m3SCRrpdaWZo1K5B8vyxnsOvehauwPRXOzooooAKKKKACiiigAorL0XxBZ68+orYiUf2devZTGRQMyIATt55HzdeK1KACiud8WeKz4Ul0Z5rEz2WoahHYz3Il2/ZTJkI5G05BbAPIxkVP4w8SxeEfCd9rU0JuDbIPKt1ba08jEKkYODyzEDoevSlfS/9f1qO2tjborKsZNel1YyX0VhBpj2cbLEju1wlwSd6k4ClAMAEAHOa1arYlO4UUUUhhRRQTgE0m7K7AKKw/BfiT/hL/B9hrv2T7H9sRm8jzPM2Ycr97Az0z0pPDfiX/hIbrXIfsn2f+ydSewz5m/zdqI2/oNv38Y56daqzu1/Xb9Q6XN2iiub8NeIrvWfEfiewuo4Ui0i+S2gMakMytCjktknJyx6Y4pbu39f1qHS50lFFFABRRRQAUUUUAFFFFABRRRQAV5B4DTx0w1w+Hbjw8mmf8JBfZW+t52mz5x3co4X6cV6/WV4f8O2nhu1u4LGSaRbu9mvXMzAkPK25gMAcZ6d/c0R0lfy/Vf5A9Y28/0f+ZyS/wDJZfFP/Yu2v/oyeuHgu9Rufh18MPDVjaC8t9XtHa6tmvWtFuViiDCJpVViFOckAc7cdCa9hHhiyHia/wBc82f7Tf2UdlKm4bAiFyCBjOfnPUkdOKy5vhtok/gvS/DjyXqx6QENhfRzbLq3dRgOrqAA3Ppg+lJL3bP+tZP9UN/Ff1/KK/QxPA3hXXPD/jK4uItDsPD2gXFntl06y1JrmNrkMNsqqY0CErlTjrgelekVheH/AAsuhXM9zNrOravczKE83UrkPsUdlRVVF9yFye5rdquiRK3Zwfxr3/8ACpNV8kqJPMttpYZGftMeM+1augp48TUifFNz4dlsfLPy6dbzpLv7cu5GOvar/ivw1aeL/DV1omoT3Fvb3JQtLbMqyKUdXBBYEdVHasrSPAk+k6tBev4z8UagsJJNte3cTxScEfMFiBPXPUdKldV/Ww3scd4T8J6V4w8BS+MPEKyy+INQFxP/AGgJmSWy2u6okRz8gQDGOh5yDnFZvhr/AJET4Of9hD/2hPXdv8LdI+03wt9S1i103UJWmutIguwtrI7cudu3cAx5Khgp6YxxVux+HulWGk+GtPhuLxovDc3nWjO6bpG2On7z5eRhz0x2qo6ffH8G7hLX7pfja39dDlvCfg7w5D8ZfFs0Wi2SSWBspbV1hAMLvGxdl9CTya9TrnJvBdo3jX/hJrTUNQsbuSNI7qC2lUQ3ioTs8xSpJIzjKkHHFdHSWkUg+02cx8Sv+SW+J/8AsF3H/os1m+B08dLY6W2uXHh59J+xphLO3nWfHljZ8zOV9M8V1euaRBr+gX2kXjyJb31u9vI0RAcKykEgkEZ59DU9laJYafb2cJZo7eJYkLHkhRgZ9+KS05vO36/5g9UvK/6f5HlngnwXofxB8HJ4m8WwNqOsapJK7XLTOHstsrBY4cH92E2jpg5zmufme98WeGfhnDqeoXPnSaxc2sl4j4lljjWaPdu7MyLjcOecjmvRrr4ZadLeXr6frOt6Ta6hIZbuw0+8EcEzscu2CpZC3fYy5rTn8E6RK3h4QJJaQ+HZfMsoLcgIP3ZTa2QSRg+oOe9PR27XWno9f669QfW3n+K/r06HDap4J0S2+JXg/wAN2lu8GjQaVqGbMSuyyqXiJR2YlipZskZ5xg8ZFQeHfh7oN3488W+HL6CS58Pae1vNZaRJK32e3eeMmRlXPXK/L/dycYzXplz4dtLrxXYeIJJJhd2NtNbRIrDyyshUsSMZz8gxgjvRYeHrTTvEera1DJM1zqohE6OwKL5SlV2jGRweck/hQttfP8XcHu7eX5L/AIJ5pomqWtr8HDpevyapqKHWJtGs4bSYrc3Wy4YRw+ZuGAVTBJYfKDzUHh7S20T4s6Zp8XhaHw1p+saZdJdafHfCdLnZswzRqNqsM43AksCc13E/w00W48MSaK1xfoh1GTU4bqKYJPbXDyM++NguBgsQMg8HnNO0z4d2Gn+JrTxDPqmralqtrFLD9ovrhXMiPj5SAoChccBQoySTknNEd05fP/wG353B7WW3/B/ysc58KPCmg2Gq+J76y0i0gurTXbq1gmjiAaOIBPkB7Dk8V6hXOab4LtNI8V32t6dqGoQLqEhmudOEqm1klK7TJtK7gxAGcNg4HHFdHR9mK7JfkLq/VnP+O/D3/CU+BdW0hOJri3Jgbusq/NGfwYCuDt9c/wCFlX3gOxbgRRHWtWjx9ySA+UsZH/XYtwf7leuVzXhrwFo3hTXNZ1XS/PNzrE3mzCVwyxfMzbIwANq7nZsc8miOkvx+a2/z+Q5ax/rZ7/15nL6nqM2j/E3xrqVqnmT2fhaCeND/ABMjTsB+YrkdP8HeJda8KWGtaR4dsI/EN1FFexeJX1+RrhnYKxZl8nGxhkGPO0A4FeyJ4asU8U32vM0slxfWcdnLE5UxeWjMRgYzk7znJI6cVz9h8LtO0tkgsNc1+DSY5vNTR0vsWy852D5fM2Z52b8H0pR0tf8ArVv9V9wS12/rRL9Gc3rGoz+DvEXjWzt9qXGuWMF9p6oePtTkWrf+RDExPvWZZWbRaLpnwymlac2viUQSb8kvZRKLwZ9iCielena74M0vxD4i0XWdQM4udGkaSBY2ASQttOHGCSAyqwGRyBSp4N0xPH0ni4NP/aEln9kMZceUFyDvC4yHwAM56DpTjpZv+rO8f8glqrf1qrP/AD9TfpG+6fpS0EZBFTJXi0B4x8Lo/iMfhno50K78Lpp/lv5C3trcNKB5jfeKyAE5z0FVLXW9d8NfDP4k6lJLbDWotddHmtAyRo7rAhdN24gANnnPSvXfDHh608KeG7PRNOkmktrRSsbzsC5yxbkgAdT6VVtvBekQWevWk6SXltr1zJc3kNwQVJdFQquACBhR6nPerlrKTXVP80/0Gns33/Rnndj4E1+w1jR7/QfC2naHdW93G95qMevy3Mt5AT+9SUNCPM3A5yx4IGKj1r/kW/jP/vn/ANIo67jRfh5b6LdWjjxD4gvbSxObWwu74NDF2UYVQzhR0DswGBWZ4/8ADtpo3w5+IF/ayTPLq9pLczrIwKqywBAFwBgYUdc81nUsoS9H+n+X9XCmnzR9V+v+Zzni/wAIaV4c+Fq+LtLeZPEmnwW91Dq7Ts000mUGxjnDI2duzG3BwAK9ihZngRpF2sygsvocdK4PSPhlpU1jpL3mp6xeadapFPb6RcXe60icBSvy7dzBSOFZio6AY4rv63qaSa82Zx1ivT+v68wooorMsKKKKACiiigAooooAyfEeqSeH/Cuq6zt+0f2dZTXfk52eZ5aF9u7BxnGM4NaWyT/AJ6/+O1z/wAR/wDklniv/sDXn/oh6wZ/i3oEXxEGjnxDoK6SmmNcS3TXqZFwJQoiD7tudu4lfvdKV/6+Vw6XO+2Sf89f/HaNkn/PX/x2uL+F3xCg8d+Fre5u73SxrD+a81hZzAvDGJCqkoWLDI2nJ9a7iqaa3Aj2Sf8APX/x2jZJ/wA9f/Ha5f4g+OB4I0e0kt7BtS1LUrtLKws1kCebK/TLHhR7/SqOiXXxTj1e2/4SbTfDE+mzOFl/syeZZrcH+I+YNr46YFJag9Dttkn/AD1/8do2Sf8APX/x2uF+I/xQ07wXYKllqOkzaqLyGCWynul3wxuRudkDBgApzzgc5rptL8X+GtbvPsmi+IdK1C52l/JtL2OV9o6narE4oWqugejszU2Sf89f/HaNkn/PX/x2qOreJND0AxjXdZ0/TTL/AKsXl0kO/wCm4jNW2vrRNPN+91CtmsXnG4MgEYTGd+7ptxznpijpcOth+yT/AJ6/+O0bJP8Anr/47WZL4t8OQS2kU/iDS4pL1FktUe9jBnVvusgJ+YHsRnNa9AEeyT/nr/47Rsk/56/+O1JXF+NfG+o6FcSaZ4c0GfVNSWza8eaXMdpbRjPzSSdz8pwi8nHak2krsaVzsNkn/PX/AMdo2Sf89f8Ax2uZ+Gnie98ZfDvS9e1SKCK6vFcyJbqyoMOyjAYk9AO9dVVSTi7MlNNXRHsk/wCev/jtGyT/AJ6/+O1JRSGR7JP+ev8A47Rsk/56/wDjtSUUAR7JP+ev/jtGyT/nr/47UlFAEeyT/nr/AOO0bJP+ev8A47UlFAEeyT/nr/47Rsk/56/+O1JRQBHsk/56/wDjtGyT/nr/AOO1JRQBHsk/56/+O0bJP+ev/jtSUUAR7JP+ev8A47Rsk/56/wDjtSUUAR7JP+ev/jtGyT/nr/47UlFAEeyT/nr/AOO0bJP+ev8A47UlFAEeyT/nr/47Rsk/56/+O1JRQBHsk/56/wDjtGyT/nr/AOO1JRQBHsk/56/+O0bJP+ev/jtSUUAR7JP+ev8A47RUlFAHPfECLzvhp4ni3pHv0i7XfIcKuYWGSewr5/vvEHhdvGnie9Pws1MQR6OiJaSeHogbOX52M8y5/dg5Hz9cKfSvffiP/wAks8V/9gW8/wDRD1lX3w4a8uvG9wurCOTxXbRW+TbbvsqpEY/7/wA+ck/w/jUyV18n/kVHR6+X5nP/AADXSX8G2n2XwjdaRqFvZRLPqd1piQfbw+WzHKOZF4ByfVa9Zqjommro2gafpaSeatlbR24fbjdsULnGTjOOmTV6tZtOTsZQTUVc5zxx4I03x5oK6dqbz27wzC4tbq2fZJbyqDtdT+J4/rgjgpfE3jj4Wappdp42urbxN4dvrlLKPVYo/JuoJG+75iZww4PTJOCS2eD6F4q0HVNbtYDoXiS70C8t2LJNBEkyPnHDxuMMOOORiuVt/hbquqatYXvxA8aXfiWPTbhbm1tEsorOESL0Z1TO/B6cj05GRUR0l5X1LlrEyvjv4c0M+G7TUzo2nnUJ9Ys45bs2qebIpfBVnxkjAAwT0r0XS/CHhrRLz7Xovh7StPudpTzrSyjifaeo3KoOKh8aeErHxx4VutC1OSWGKfayzQnDxOpDKw+hFZfhTwv4x0TVFk1/x6+vaekRjWzfSYoGzxtYyqSxIx365pR0uvP9F/kEtWn/AFv/AMH8DyPw/wD2z4h17xNrVx8LbXxtNLqs9r9sv9Ut0FukZwsKRSqdu0dxyc103hrQ/EHh74N+PLHXdFfRLNobyfTbBr5LoW8TwsTGrqT8obPXHU/Wuj1D4X6naeIr/V/APjC58LvqcnnXtt9iju4JJO7qjkbWPc859qt6zot/ofwg8UQatrt1rl3Jp13LJdXKKnJhI2qi8KvHT3NRLSi/8NjSGtZf4rnF+F/hh4Tn+AYvdT06G8v77R/tMmo3YDzRN5WV2OQSioAAAvYc5rv/AIT315qXwl8OXWpM73D2SBnc5ZwMhWJ7kgA/jXn3gr4ceJfEvwz0W11n4gXh8OXljEz6VbafFC4jKg+V5+SxXHB45Fe0WFjbaXp1vY6fCsFrbRrFDEgwEUDAA/Cuiek5ebX4X/zMI6xj8/xt/kWKy/E//Io6x/14z/8Aos1qVx/jXwt4p8SP5WgeNP7AsZLdobi2/sqK687OcncxBXg4wKwqJyi4rqbQaUk30Mz4Df8AJEfD3/XOX/0a9eh1558O/h54k8CLa2M/jf8AtTQ7WN0j03+yY4cFiTnzQxbgknHvXFfHR4vHGsaV4V8Iy6hc+KNLvlkeK3jdYbZXUHzJJCAoI+UhgTjLDvW02pVNOr/UypxtHXoe8UUyJWSFFkbe4UBm9T60+oGtUFFFFAwooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigCjrelQa9oGoaReNIlvqFrJaytEQHVXUqSpIIzg8ZBq9UN2XFlOYW2SCNtrY+6ccHmuR+EXiHUfFPwt0nV9buPtN/P5omm8tU3FZXXooAHAHQULW/l+t/8AIHpY7SiuK0nxDqN38X/EukT3Q/srTLC1kjiKKAkkm4sxbG48D1wKr/8AC8Phx/agsP8AhKrXzi23d5UnlZ/667dmPfdiha2t1/zsD0v5f5XO9oqte6lZabpsuoahdw21nCnmSXErhUVfUk8Vy/h34seCPFmtf2ToGvw3V8QSsJhkjL45O0uoDcAngngZo62Dpc7GivMNe8VLoHx6jGr6y9jocXhpriaOWcrAJPtG0OVzgt0AOM9q63wn4+8MeOI538LatFf/AGcjzUCPG6Z6Eq4Bx74xQtVdf1q1+gPR2f8AWif6nRVHcW8N3bS213DHPBMhSSKRQyupGCpB4II7VJVHWtXtNA0O91bUXKWtlC00pAydqjPHvSbSV2NXb0LNra29jaRWtlBFbW8KhIoYUCIijoAo4A9hUteS6Cfih4/0qHxJB4mtPCNjdjzLLTY9MS7Z4v4WkdyCCR/d7EHA6V6A2rjw34Tjv/Guo2Vu9vGou7pMpCXJxlQeeTjj3qndfEStXZG1RXHeHPi14H8W6sNM0DxBDcXrAlIXikhZ8cnbvVdxwCcDNbGq+LdC0PUo7DV9Rjs7iW3kulEoYL5UeN7F8bRjI6kGk9NxmzRXMeFviR4S8a3lxaeGdahvri3XdJF5bxttzjcA6jcMkcjI5HrXT0AFFcr8TtZv/D3wy1zVtHn+z31rbb4ZdivtbcBnDAg9e4q7p+o3U/w8tdTll3XkmlpcNJtAzIYgxOMY684xipckk32/4P8AkNK7S7/8D/M3aK898HfECK2+Cek+LvHWp7fMizc3f2cnLGUovyRr9BwKi+EOoWOqQ67d6Z45vvFsEt7vH2u3ki+xggkRqHHPH93C8cAVo42k49iVJOKl3PR6Kw/FPjPw94LsEvPE+qQ2EMjbY94ZnkPfaigs2MjOBxWJ4f8AjH4E8U65b6PoWu/ar+53eVD9jnTdtUseWQAcAnk1K12G9Fdnb0V494U+JeleGZvGU3jjxG8UUfiW6t7NLmSSZljXb8kaDcwUZ6AYGa9R0PXdL8S6RDqmhXsV7ZTA7JojwcdQQeQR6HkULVJrsvxVwejs/P8AA0KKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKAAjIIr5c0yXUL34dabougSFbvw5cahrjpGev2efESHudxd8eu2vqOuP8I/DLQ/Bmqa1f6ZJeTy6y5ecXUisqAszbUwowMueuT05qdVK67fj0+5j05bPuvu1T/BnHeFfFGn/wDCRfEjxnLum05bGwuPLX5i0YtS+APU7sVg+ItS+IHiT4Nahqb6R4M0vwtdae08dnK0zXEcWMqVK4j39CvA5xwK9J8H/Cfw74M0HV9GsDd3dhq5P2mK8kVvlKlSoKqpAwfr71ix/APwz9hawvNX8RX+nKjJbWF1qO+C0JBAaNNuAVzxnI46GnNXul2X/BHB2ab7/wCVvyJB4Sfx/wDs8aJopvTb3E+l2csc8i713oiMNwPUEjBqK08Y+IfD3iLQ9G+JXhmwX7XOLbTtZ0txJCJiuAvlsN8ZIyM+/TGcdZdeBdMu/BFj4Ye4vo7Wwiijt7mC4MVxGY12q4dcfNj2xz0rK0T4TaTpWt22ralrOv8AiK7s2LWja5qBuVtmP8SLgAH3Oa0k06jfRu/9eZnZqml1t/XyOe13RNO1v9qLSRq1pHdJaeHjcwpKMqJBOwDEdDjccZ74Pap0jS3/AGq28hVj+0+Gd020Y8wibAJ9TgDn2rt38JWMnj2PxaZbj7fHYHTxGGXyvLL784xndnvnGO1NPg/T2+IC+MDNc/2gth9gEW5fK8vfuzjbndn3x7VMdOXy5vx5v80XLXm87fhb/Jm/XEfGW1uLz4N+JYrRS0gszIQP7qsGb/x0Gu3pGVXUq4DKwwQRkEVE480WhxfLJM5z4dajaar8NvD93p0ivA2nwoNuPlZUCspx3DAgj1FZ3xQ8XR+E/D1mU0mLV77Ub6KzsbScgRmZslWYkcAYz9cdOozH+COgwXk8nh/W/Enh23uJDJLZaPqZggdj1+XBx6cHpwMVva38OdA17wba+GrxLlLSyKPazRXDCeF1zhw5yS3J5OetXOXM+bz/AF1/4BEI8q5fL/hjynx2vjxfE3gW48br4VjVfENsts2kGcXKksNy5k42Y6477a6Xx7oem+Ifj74Is9ZtUu7ZbO7m8mTlWZMMuR3GQODwe9akPwQ8PLf2OoX+q69qmpWN5FdRX2oX3ny/uzkR5K4CE4yAAeBzXV33hOxv/Gml+J5pbhb3TIJYIY0ZfLZZBhiwxkn0wRQtLeTb++Nl+IS1T9Evxu/wI7rwZpt14407xVumh1DT7Z7VFi2COWNuz/Lk4zkYIxWpqGsaZpPkf2rqNpZfaJBFD9pnWPzXPRV3EZPsKuV4p8ZNA1D4naxY+F9I8NajFcaddK769dp5VpHE6guEOf3v8OQBkFfrSW6j/W+pVlq3/Wmh2fxo/wCSM+Jf+vT/ANmWuR0/4Ueb8PLW+/4T3xum/S0m+zprOIVzEDsC7Pu9seleneIvDVp4n8J3fh/UZp0tbuEQySQsBJjjkEgjPHoatW+kQW3h6LRkeQ28VqLVWJG/YE25zjGce1RKOk7dbW/H/NBF6xb87/h/kzkPgf8A8kU8N/8AXu3/AKMeqPwv/wCR5+I3/YbH/outtfhzZ2/gCx8JabrmuaZa2JBju7G7ENywyxwzhcYy3TA6CsHTPgfY6RqT3tl418aJLNOs9xjVVAuXHeTEY3+nPatZO9WUujv+LT/QzimqcY9Vb8mjH8eai2jfH3RtYh0a78SfY9GcTWGnwGa4sgZSFnVehJLbcAg4BPStX4eadqeqfEvxD41n0C58O6dqFtFbQ2l4gjuLh1OTNJGPunjHPPNch8TJNNt/jgt94yu9Y8MaRFpSw22saQJVa6csDseRA2ApLcBc8DJxirfw81K8u/idZJ4F8UeJ/E3hX7PIdVutdLyRI+DsWJ3RTu3YyAOnqM4mnql/298tX/XzLq7v5fp/X9M2fg/oemv4x8f61JaRvqP/AAkNzbC4cZZY852j0yWOcdeM9Ks/A5Fgj8a2sKhIIPE10sUajCoPl4A7Cu28N+ErHwtPrEuny3EjavfyahP57KQsj4yFwBheOhyfem+F/B+n+En1ZtNmuZTq1/Jfz+eynbI+MhcKMLx3yfenHS3+FL5+7/kxy1v/AIr/AJ/5o36KKKQgooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigAooooAKKKKACiiigD/9k=)

Figure :Text Successfully Written to .txt file

I ran into another problem when I attempted to launch the script that I had written from the command console. This hasn’t been a problem during the other assignments and I fear I have either a permissions or a directory issue that is preventing the .py file from running in command prompt. While the file would not run, it would launch PyCharm, which was interesting. Even with PyCharm closed, everytime I attempted to run the ‘Assignment06.py’ file from the command prompt, PyCharm would open the script, but the file would not run natively within the command window. When adding the ‘Python.exe’ to file path, an error appeared [Fig 5]. I moved the file from the appropriate location within the ‘\_PythonClass’ folder to the desktop in attempt to get a different result – but to no avail. This was disappointing, considering this was not an issue with my other assignments. I will need to look into this further.

A screenshot of a computer

Description automatically generated

Error from Windows 10

Figure : Error when attempting to run 'Assignment06.py' in the command window.

**Conclusion**

This assignment challenged me as the last 2 assignments have. Despite doing my best to follow along with this course, it has been a real struggle. This assignment was useful because it introduced functions, which I have used widely in STATA for the purposes of statistical computing and modeling; I appreciate the functionality in Python, but am really having trouble on these longer assignments with multiple moving pieces. Functions and Classes do seem like an elegant way to organize and group code – making it easier for multiple users to follow and making future edits much easier.