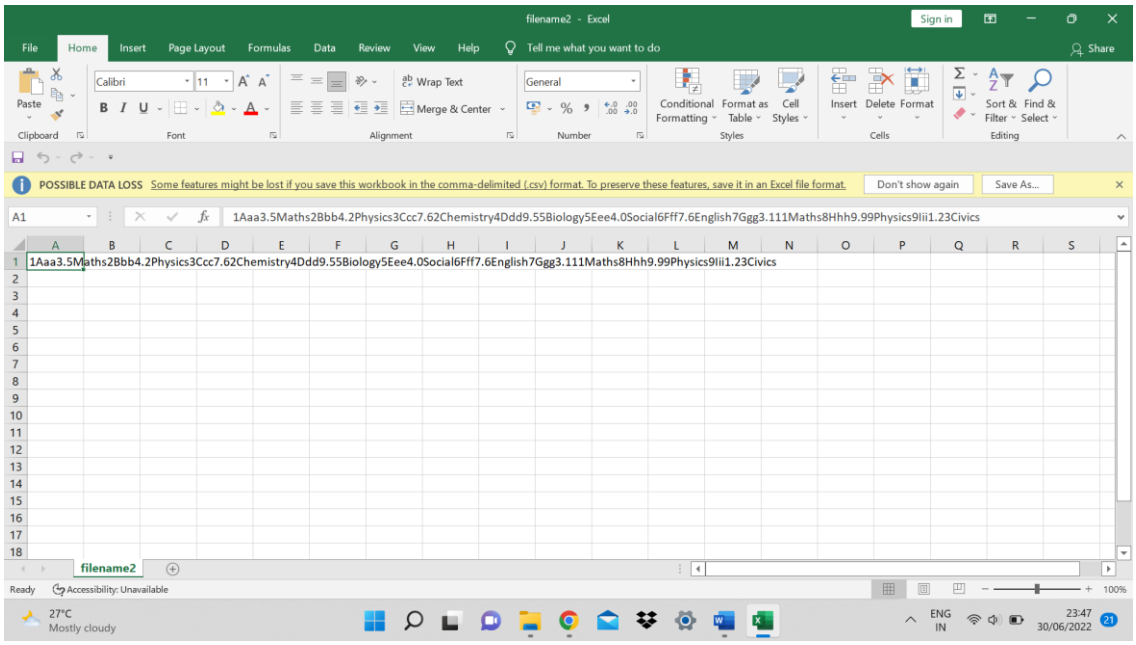
Name: Tanmay Soni
Roll No: CH.EN.U4CYS20074 Task 6

Question:1

Contents of ‘onelinefile.txt’

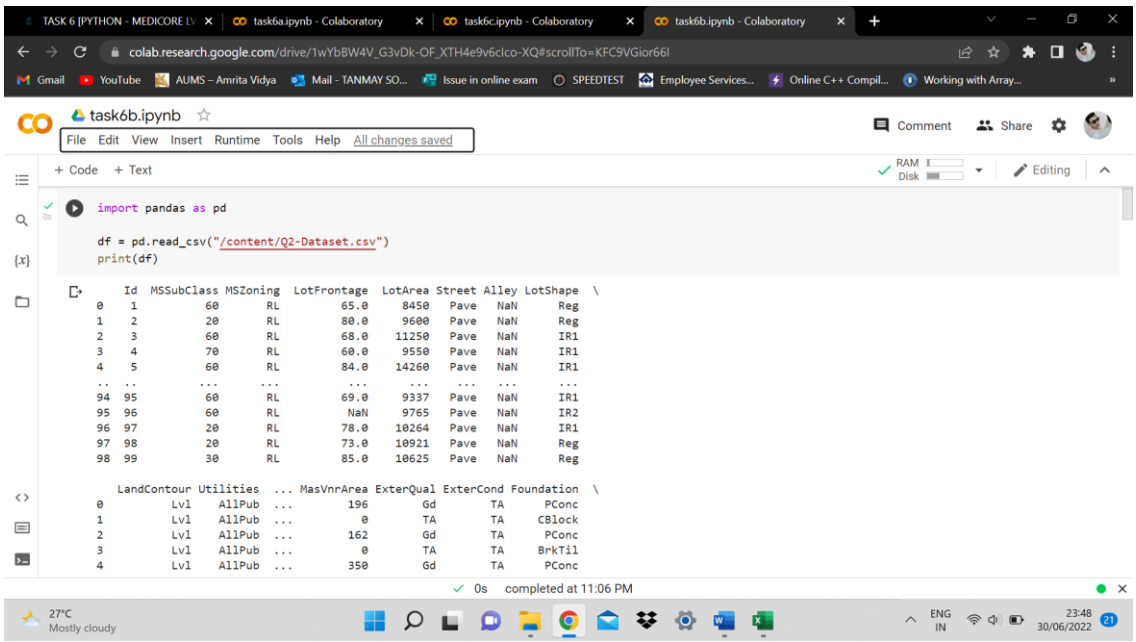
1Aaa3.5Maths2Bbb4.2Physics3Ccc7.62Chemistry4Ddd9.55Biology5Eee4.0Social6Fff7.6English7Ggg3.111Maths8Hhh9.99Physics9Iii1.23Civics

Output:



Question2:

Output:



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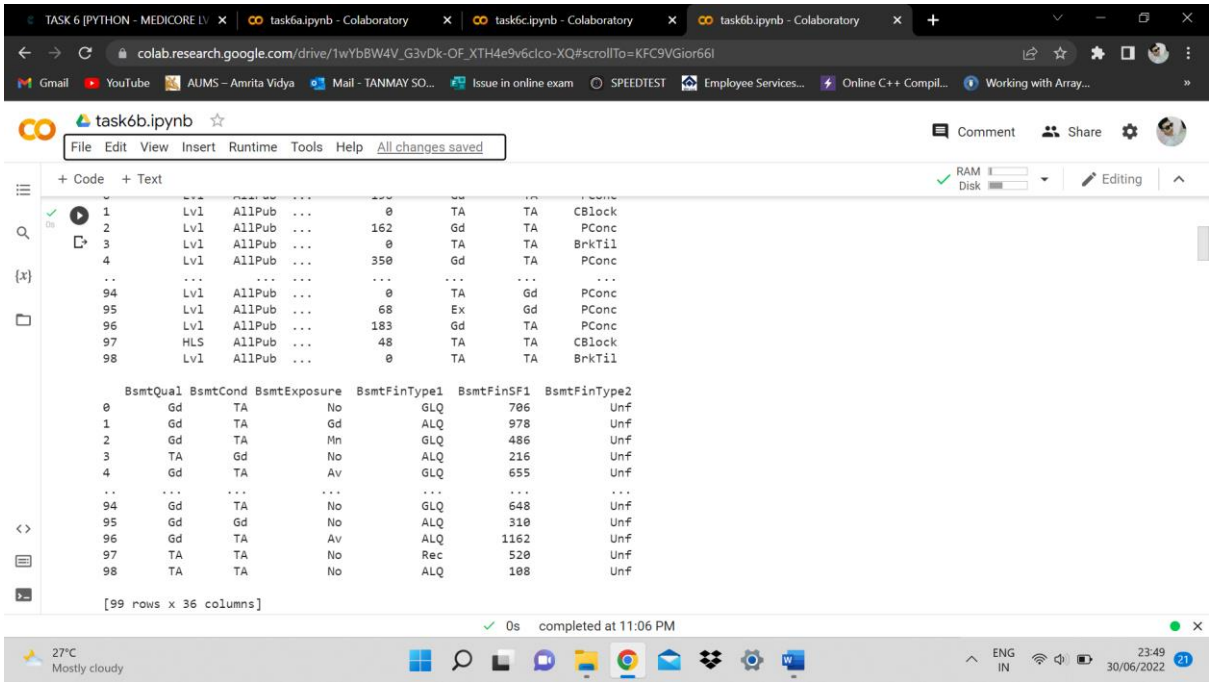
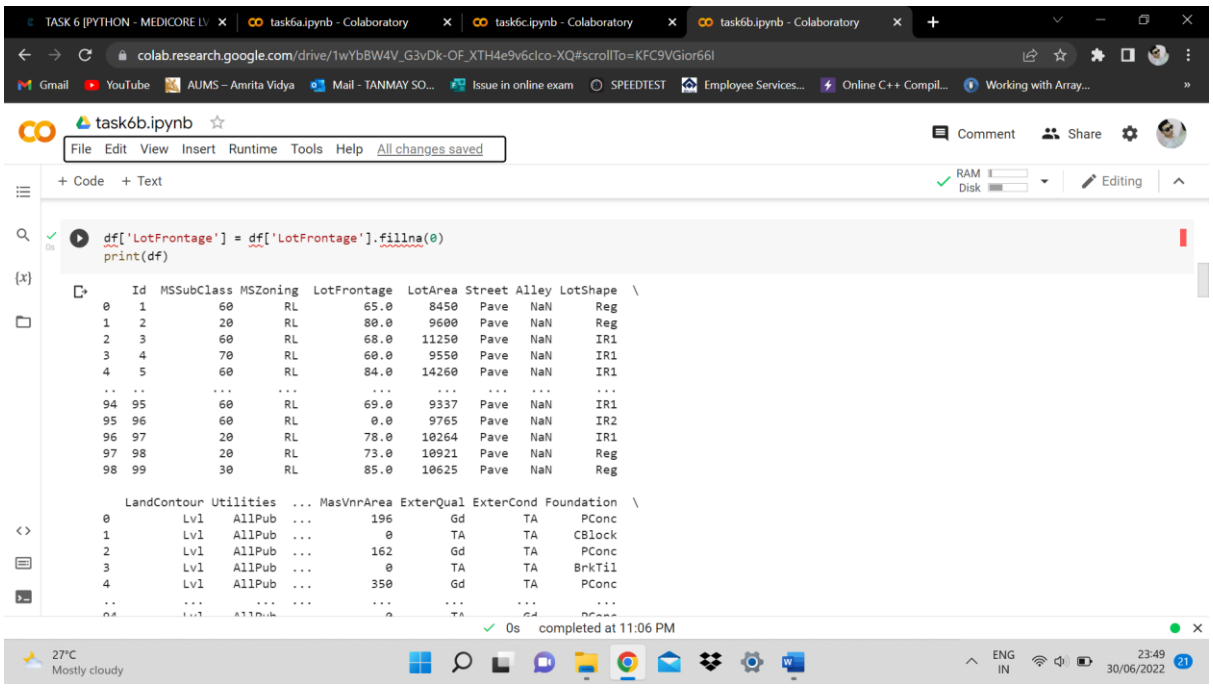


```
   BsmtQual BsmtCond BsmtExposure  BsmtFinType1  BsmtFinSF1  BsmtFinType2
0        Gd       TA           No           GLQ         706           Unf
1        Gd       TA           Gd           ALQ         978           Unf
2        Gd       TA           Mn           GLQ         486           Unf
3        TA       Gd           No           ALQ         216           Unf
4        Gd       TA           Av           GLQ         655           Unf
..      ...      ...          ...           ...         ...           ...
94       Gd       TA           No           GLQ         648           Unf
95       Gd       Gd           No           ALQ         310           Unf
96       Gd       TA           Av           ALQ        1162           Unf
97       TA       TA           No           Rec         520           Unf
98       TA       TA           No           ALQ         108           Unf

[99 rows x 36 columns]
```



```
df['LotFrontage'] = df['LotFrontage'].fillna(0)
print(df)
```

```
    Id  MSSubClass MSZoning  LotFrontage  LotArea Street Alley LotShape  \
0    1          60       RL         65.0     8450   Pave   NaN      Reg
1    2          20       RL         80.0     9600   Pave   NaN      Reg
2    3          60       RL         68.0    11250   Pave   NaN      IR1
3    4          70       RL         60.0     9550   Pave   NaN      IR1
4    5          60       RL         84.0    14260   Pave   NaN      IR1
..  ..         ...      ...          ...      ...    ...   ...      ...
94  95          60       RL         69.0     9337   Pave   NaN      IR1
95  96          60       RL          0.0     9765   Pave   NaN      IR2
96  97          20       RL         78.0    10264   Pave   NaN      IR1
97  98          20       RL         73.0    10921   Pave   NaN      Reg
98  99          30       RL         85.0    10625   Pave   NaN      Reg

   LandContour Utilities  ... MasVnrArea ExterQual ExterCond Foundation  \
0          Lvl    AllPub  ...        196        Gd        TA      PConc
1          Lvl    AllPub  ...          0        TA        TA      CBlock
2          Lvl    AllPub  ...        162        Gd        TA      PConc
3          Lvl    AllPub  ...          0        TA        TA      BrkTil
4          Lvl    AllPub  ...        350        Gd        TA      PConc
..         ...       ...  ...        ...       ...       ...         ...
```

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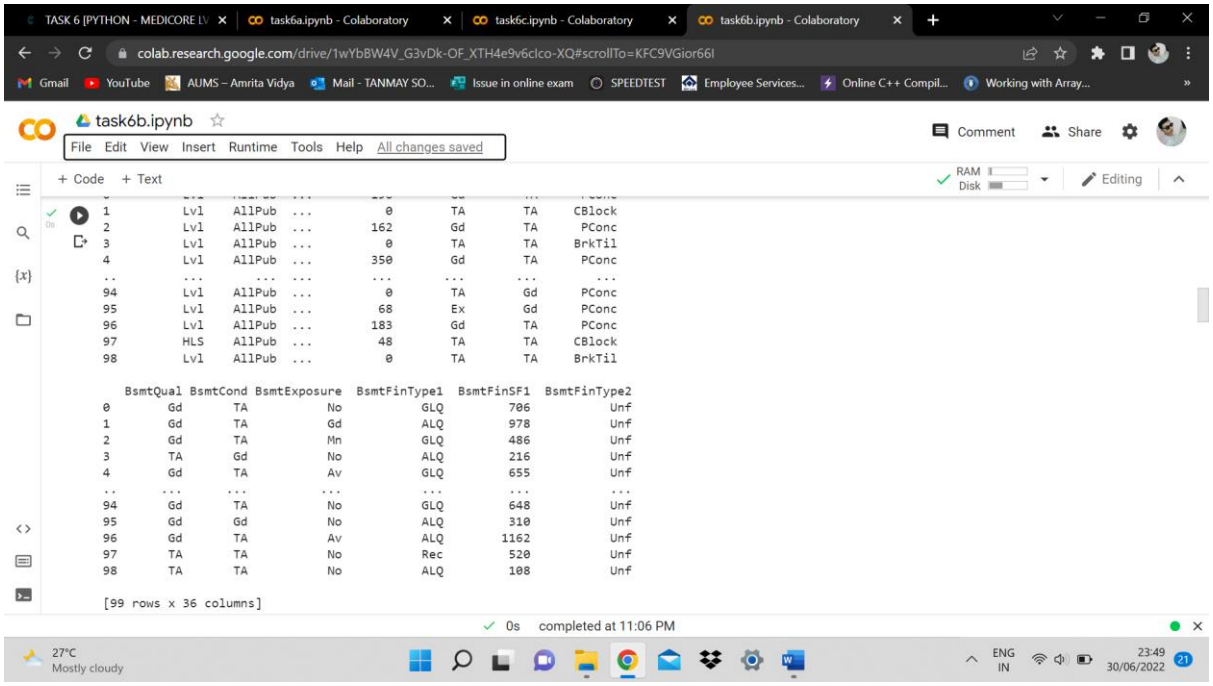

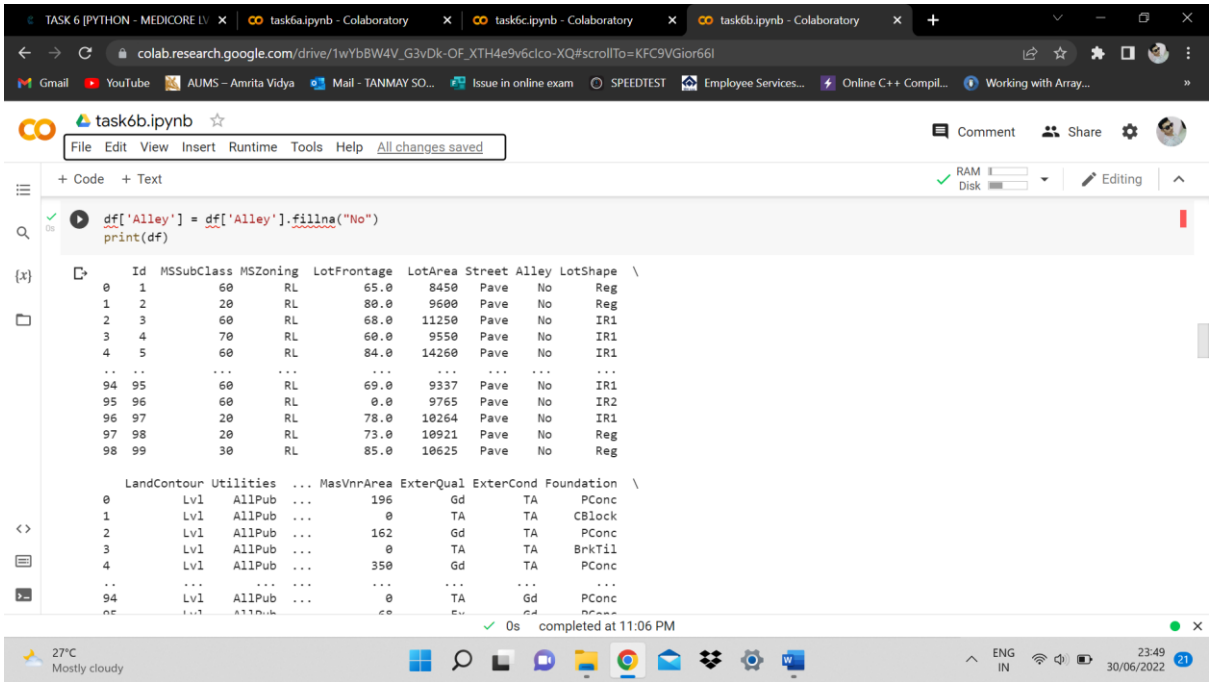

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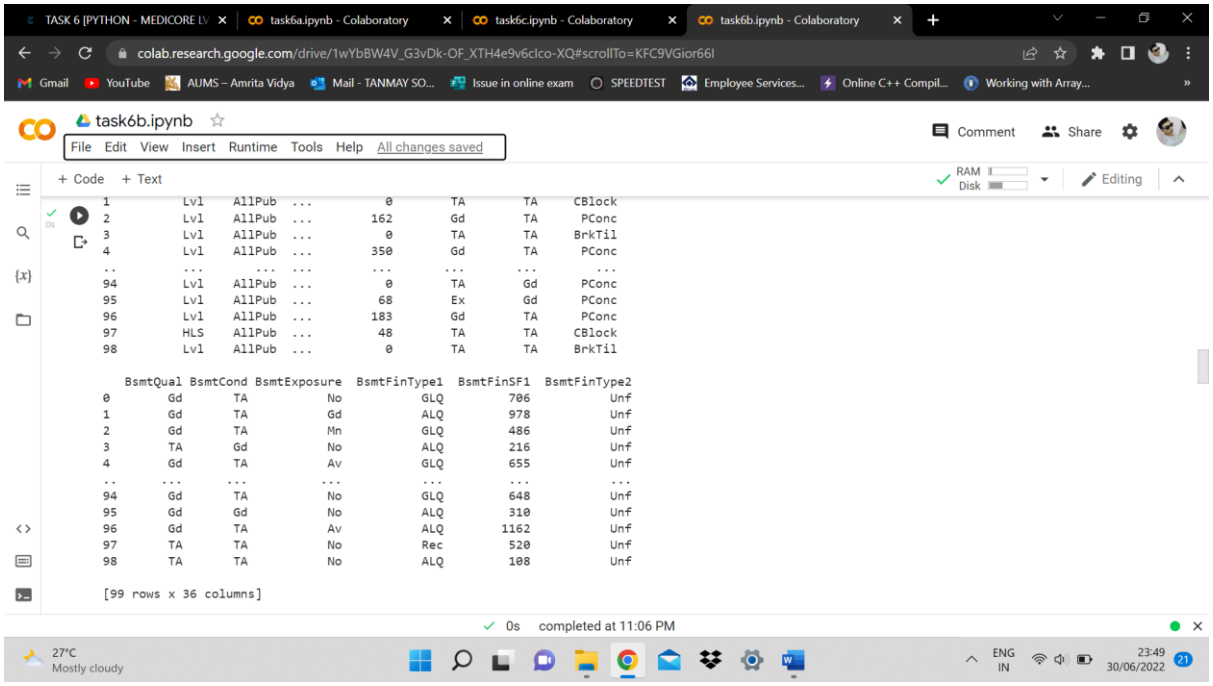

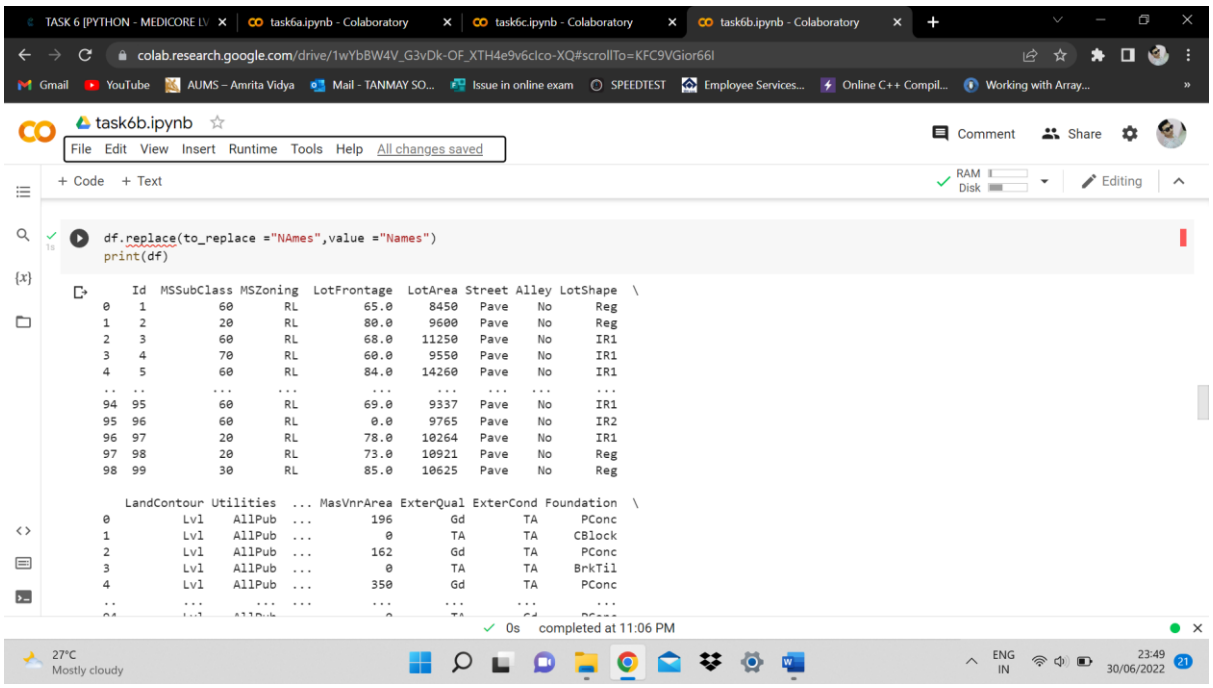

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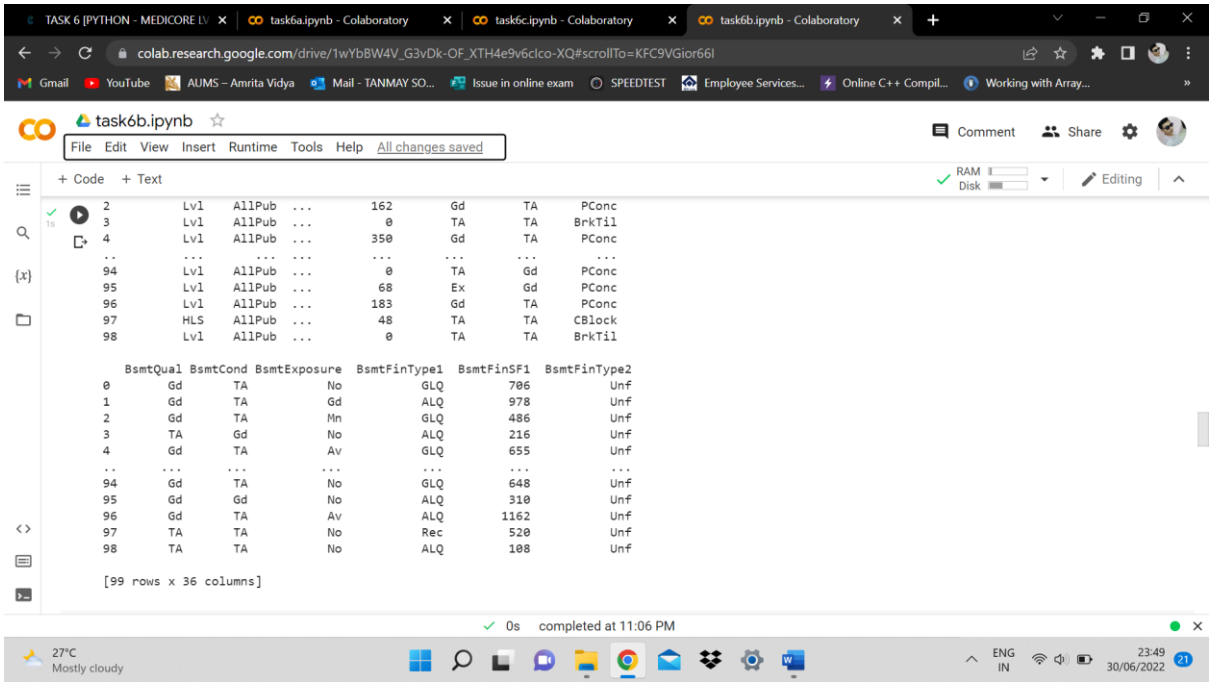

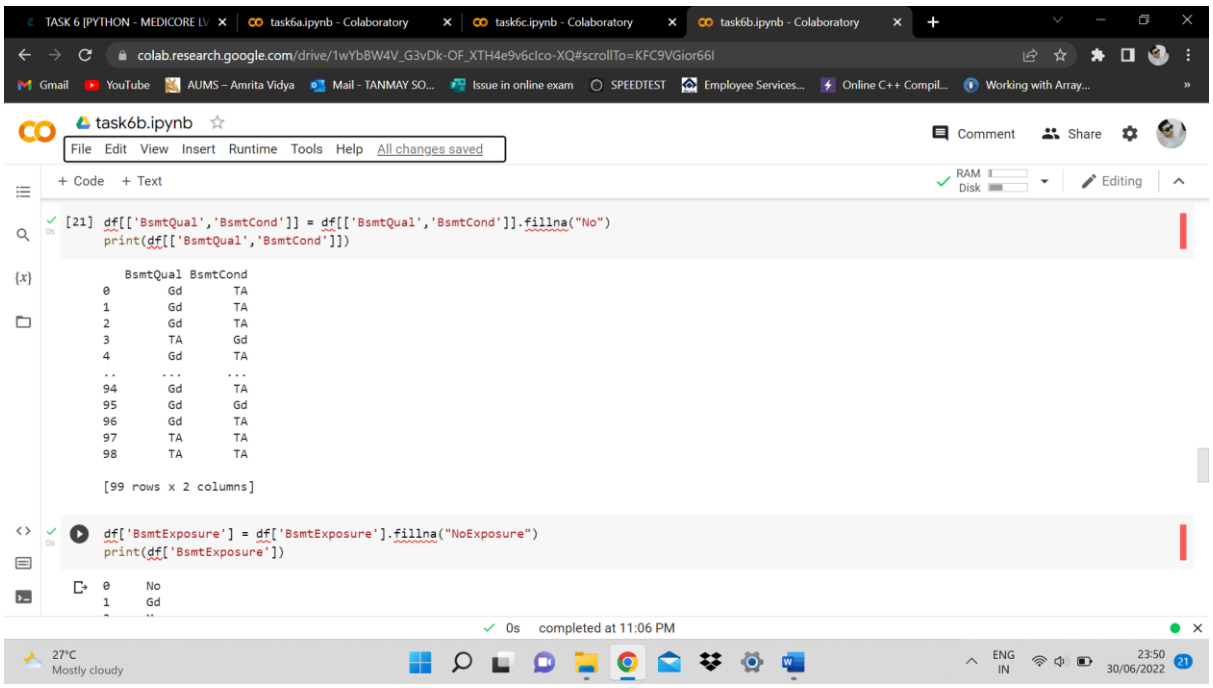

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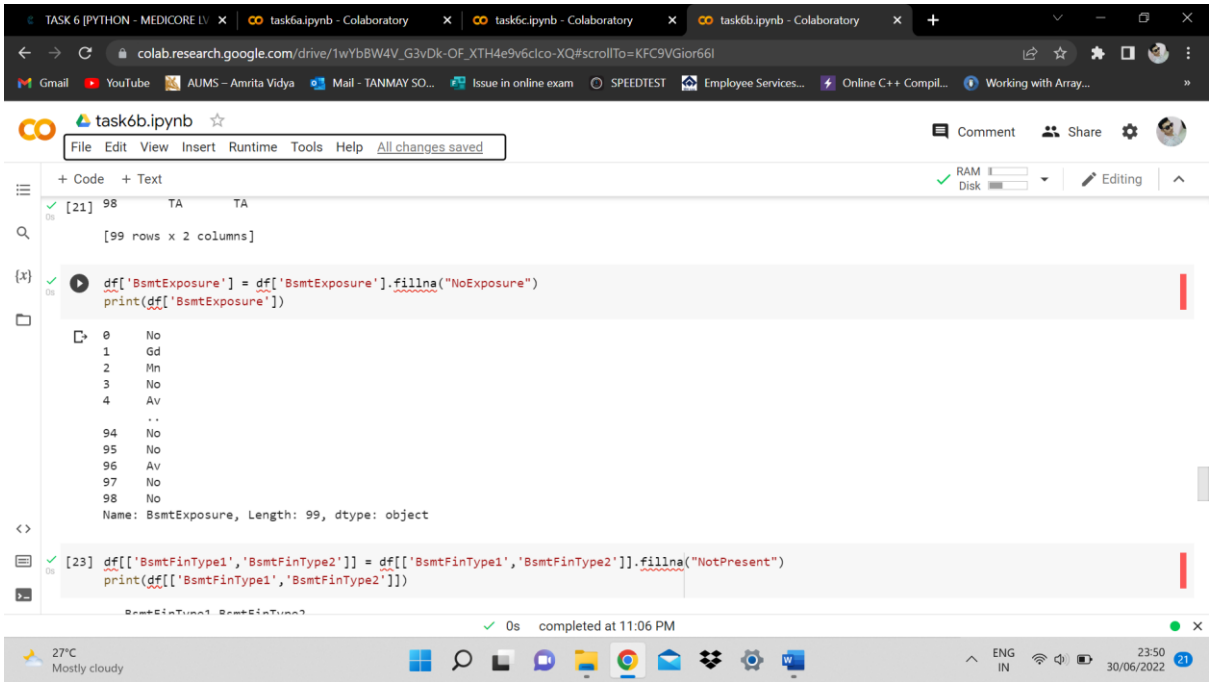

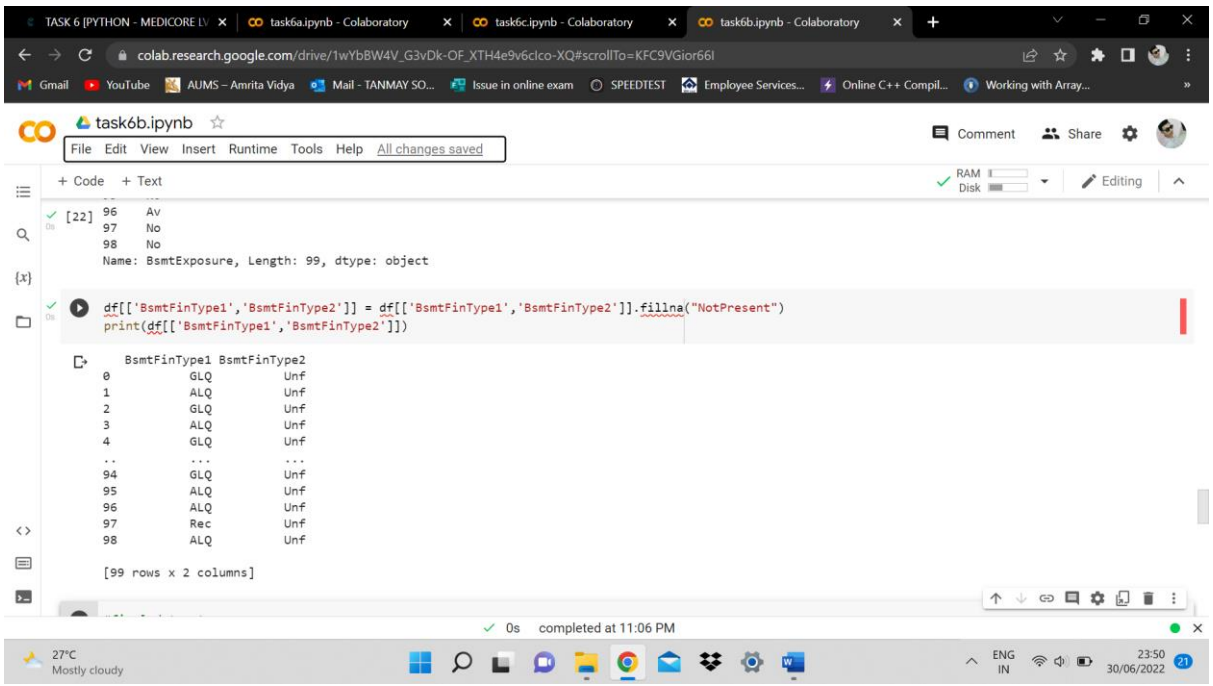

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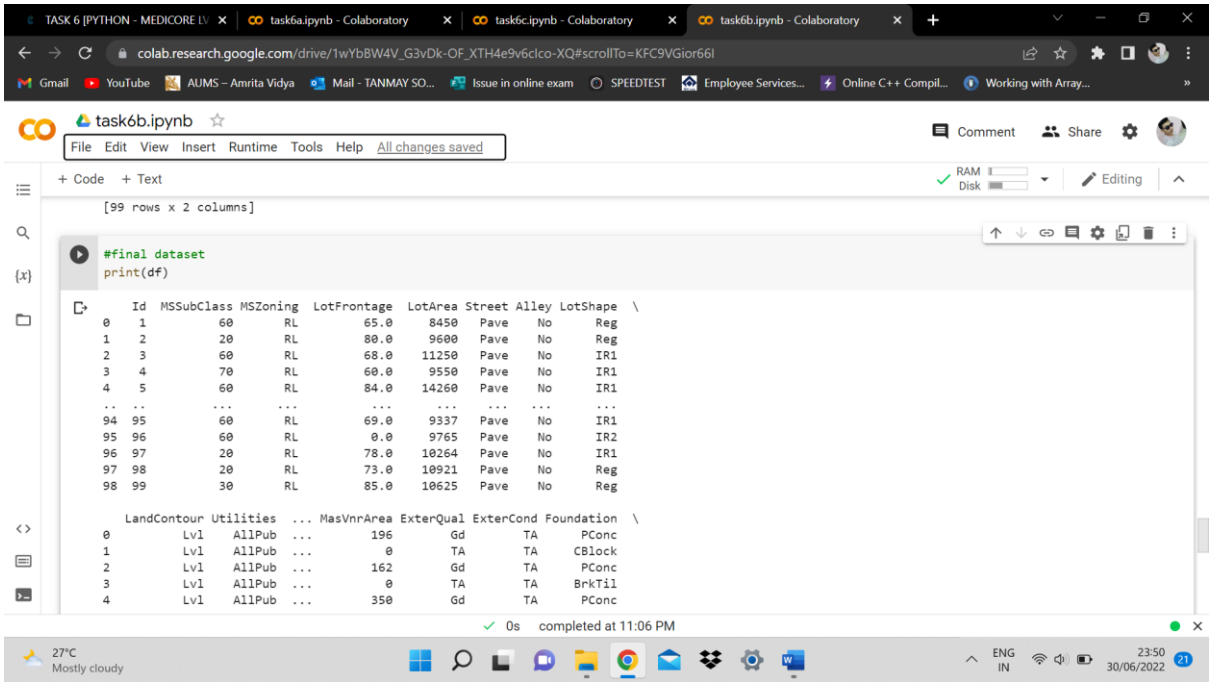

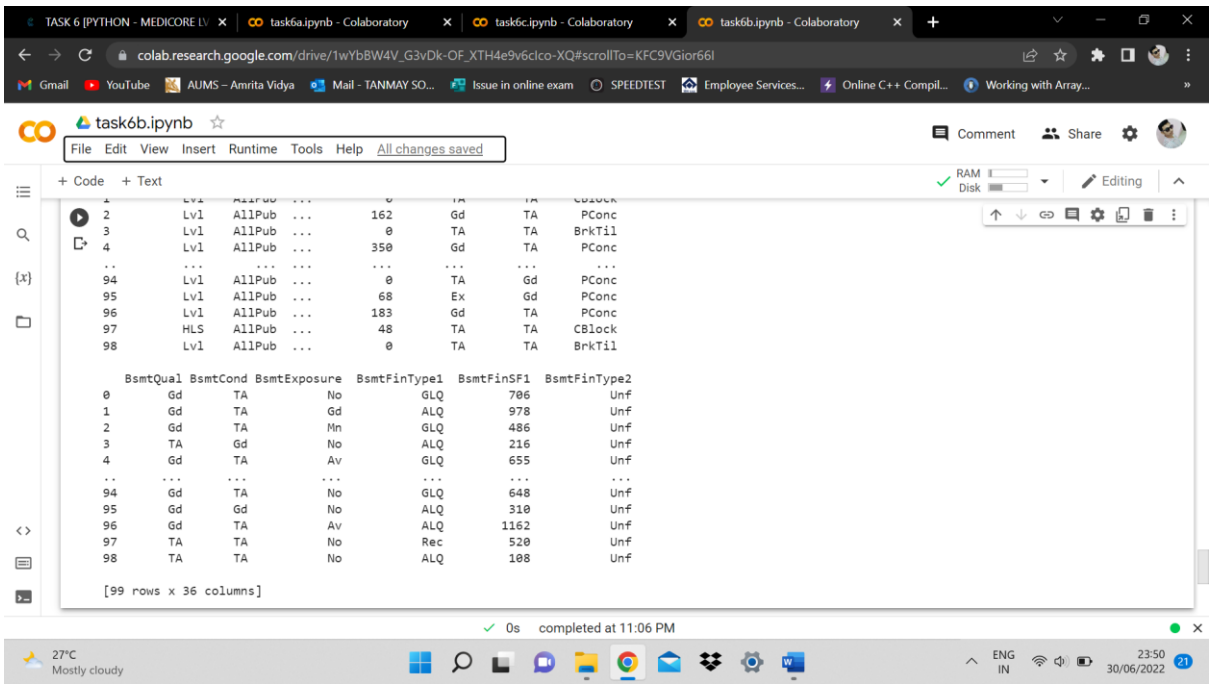

Question 3:

Contents of the file ‘about.txt’:

Python has tools for almost every aspect of scientific computing. The Bank of America uses Python to crunch its financial data and Facebook looks upon the Python library Pandas for its data analysis. While there are many libraries available to perform data analysis in Python, here are a few: NumPy, SciPy, Pandas and Matplotlib.

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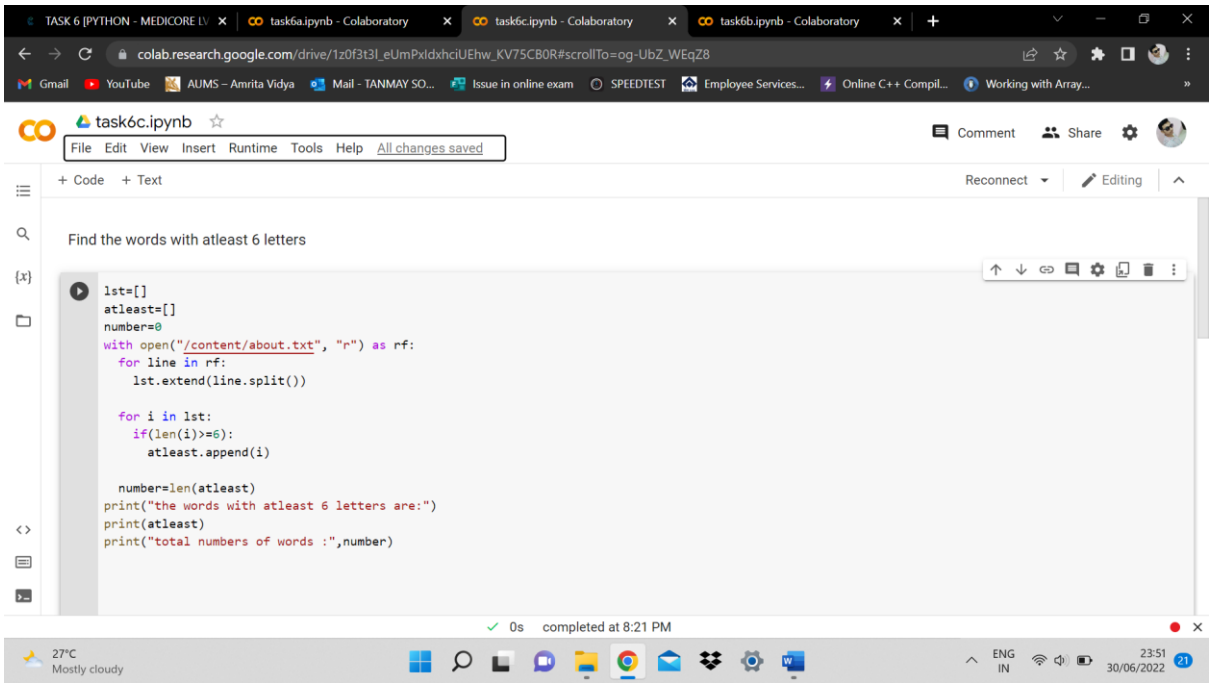
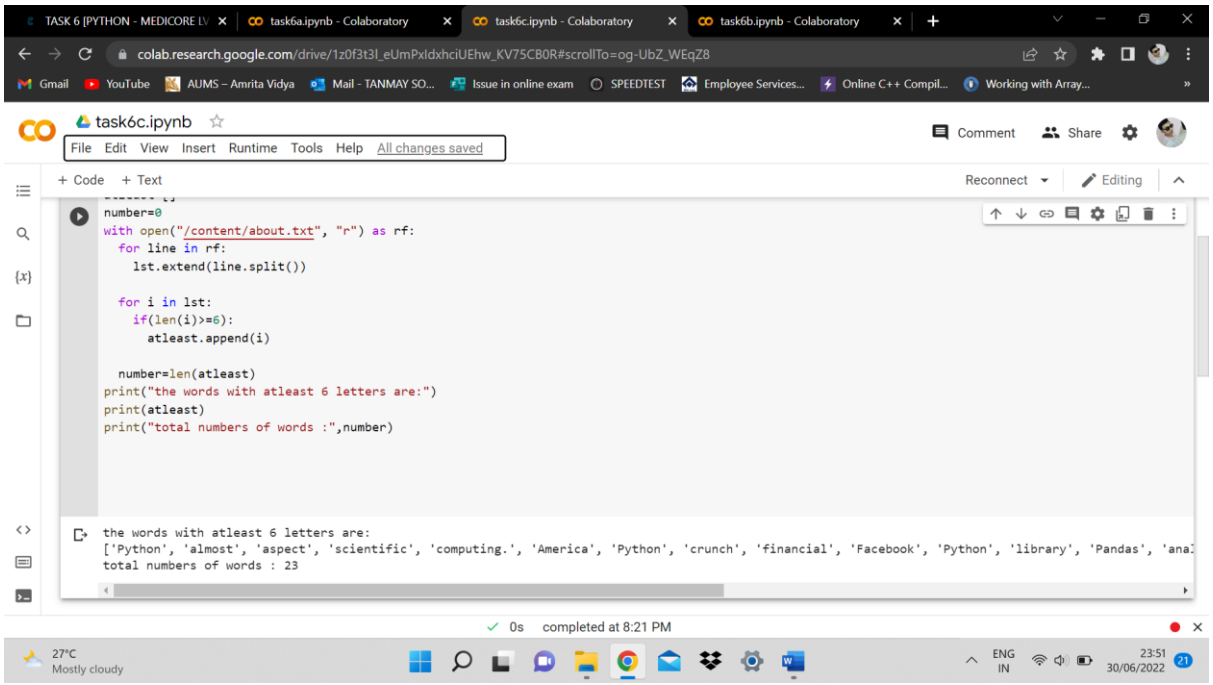
Output:





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