



EDA Internship Task Week 2

Q.1: Write pandas series code to get following output without using dictionary:

```
a      1
x      4
c      9
2      6
e      7
dtype: int64
```

Q.2: Write pandas series code to get following output using dictionary:

```
Bilal      42
Ayesha     38
Hadia      39
dtype: int64
```

Q.3: Write pandas dataframe code to get following output using python dictionary

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow
3	1/4/2017	24	7	Snow
4	1/5/2017	32	4	Rain
5	1/6/2017	31	2	Sunny

Q.4: In extension to above question, you are required to replace index by ['a','b','c','d','e','f']

Q.5: In extension to above Q.3, calculate mean, maximum and minimum for label "temperature"



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Q.6: Import CSV 'people.csv' in the given folder. Keep in mind the following instructions:

- You're required to import only specific columns ["First Name", "Sex", "Email", "Phone", "Job Title"]
- Set the following columns ["Sex", "Job Title"] as index columns
- Skip following rows [1,5]
- Export the CSV as "NewPeople.csv"

Q.7: Import excel sheet 'SampleWork.xlsx' in the given folder. Keep in mind the following instructions:

- Import sheet 1
- Import only first and last column from sheet 1
- Skip row 2 while importing the sheet
- Set row 2 as header
- export as new sheet.

Q.8: Create the following dataframe as AICP_DF then implement different operations as described below:

- select 'Name', 'Qualification' columns and save to df1
- add a new column to AICP_DF "Height" with the following values: [5.1, 6.2, 5.1, 5.2, 5.1]
- set column "Name" as the index column.
- retrieve row with index "Hifza"
- retrieve row with index 3
- drop row with index "Bilal"

	Name	Age	Address	Qualification
0	Sonia	27	Lahore	Msc
1	Bilal	24	Karachi	MA
2	Hifza	22	Sialkot	MCA
3	Kabir	32	Peshawar	Phd
4	jazim	23	lhr	bsc