## **Data Analysis and Visualisation Practical 8**

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## Out[1]:

	Name	Gender	Salary
0	Shah	Male	114000.0
1	Vats	Male	65000.0
2	Vats	Female	43150.0
3	Kumar	Female	69500.0
4	Vats	Female	155000.0
5	Kumar	Male	103000.0
6	Shah	Male	55000.0
7	Shah	Female	112400.0
8	Kumar	Female	81030.0
9	Vats	Male	71900.0

a)Calculate and display family wise gross monthly income

b)Calculate and display the member with the highest monthly income in a family

```
In [4]: 1 grp.max()
```

## Out[4]:

	Gender	Salary
Name		
Kumar	Male	103000.0
Shah	Male	114000.0
Vats	Male	155000.0

c)Calculate and display monthly income of all members with income greater than Rs. 60000.00.

```
In [5]: 1 frame[frame.Salary>60000]
```

## Out[5]:

		Name	Gender	Salary
(	0	Shah	Male	114000.0
	1	Vats	Male	65000.0
;	3	Kumar	Female	69500.0
	4	Vats	Female	155000.0
į	5	Kumar	Male	103000.0
•	7	Shah	Female	112400.0
1	8	Kumar	Female	81030.0
,	9	Vats	Male	71900.0

d)Calculate and display the average monthly income of the female members in the Shah family.

```
Out[7]: Salary 112400.0 dtype: float64
```