```
In [1]: import numpy as np
    import pandas as pd

In [2]: def wmean(x, w):
        return np.dot(x,w)/np.sum(w) # Ans.2

In [3]: x=np.array( [1.0, 1.2, 1.5])
        w=np.array( [0.2, 0.5, 0.6])
        print(wmean(x, w))

1.307692307692308
```

Ans. 1

1.31

```
In [4]: def dic_wmean(dic, w):
    s=pd.Series(dic) # Ans.3
    return wmean(s.values,w)
```

Ans.4

dic_wmean -> wmean

Ans.5

7.4

```
In [ ]:
```