StackOverflow: step by step guide

```
'1,<mark>100</mark>,102,,2,Python',
'2,101,,<mark>100</mark>,5,',
'2,102,,<mark>100</mark>,9,',
'2,103,,<mark>100</mark>,3,',
'1,104,,,2,Python',
'2,105,,104,8,',
'2,106,,104,5,
. . .
     1
    map
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(100, (0, 1)),
(100, (0, 1)),
(100, (0, 1)),
(104, (1, 0, False, u'Python')),
(104, (0, \frac{1}{2})),
(104, (0, 1))
reduceByKey
(100, (1, <mark>3</mark>, True, u'Python')),
(104, (1, 2, False, u'Python')),
(300, (1, 0, False, u'Java')),
(206, (1, 2, False, u'C#')),
(400, (1, 2, True, u'PHP')),
(200, (1, 5, False, u'C#')),
(305, (1, 1, True, u'Java')),
(307, (1, 2, True, u'Java')),
(403, (1, 1, True, u'PHP')),
(301, (1, 3, True, u'Java'))
    map
                                           ('Java', (3, 2.0, 1, 0.0)),
                                            ('PHP', (2, 1.5, 0, nan)),
((u'Python', True), 3),
                                            ('Python', (1, 3.0, 1, 2.0)),
((u'Python', False), 2),
((u'Java', False), 0),
                                            ('C#', (0, nan, 2, 3.5))
((u'C#', False), 2),
((u'PHP', True), 2),
                                                          sortBy
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((<mark>u'Java', True</mark>), 1),
                                           ('Java', (3, 2.0, 1, 0.0)),
((<mark>u'Java', True</mark>), 2),
                                            ('PHP', (2, 1.5, 0, nan)),
((<u>u'PHP', True)</u>, 1),
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((u'Java', True), 3)
                                            ('C#', (0, nan, 2, 3.5))
     1
combineByKey
                                                        reduceByKey
((u'C#', False), (7, 2)),
                                           (u'C#', (0, nan, 2, 3.5)),
((u'Python', False), (2, 1)),
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((u'PHP', True), (3, 2)),
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((u'Java', False), (0, 1)),
                                   →map→ (u'Java', (0, nan, 1, 0.0)),
                                            (u'Python', (1, 3.0, 0, nan)),
((<u>u'Python', Tr</u>ue),_(3<u>,</u> 1)),
((u'Java', True), (6, 3))
                                            (u'Java', (3, 2.0, 0, nan))
```