Quiz 3

Q1 For the data frames shown below:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| df1 | | | |  | df2 | | |
|  | A | B | C |  | C | D |
| 1 | A1 | B1 | C1 | 1 | C1 | D1 |
| 2 | A2 | B2 | C2 | 2 | C2 | D2 |
|  |  |  |  | 3 | C3 | D3 |

Q1 What is the result of the merge of the two data frames?

Q2 What is the result of the outer merge of the two data frames?

Q3 What is the result of the left merge of the two data frames?

Q4 What is the result of the right merge of the two data frames?

For the data frames shown below:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| df1 | | | |  | df2 | | |
|  | A | B | C |  |  | C | D |
| 1 | A1 | B1 | C1 |  | 1 | C1 | D1 |
| 2 | A2 | B2 | C2 |  | 2 | C2 | D2 |
|  |  |  |  |  | 3 | C1 | D3 |

Q5 What is the result of the merge of the two data frames?

For the data frame shown below:

|  |  |  |
| --- | --- | --- |
|  | Name | Score |
| 0 | A | 1 |
| 1 | B | 10 |
| 2 | A | 2 |
| 3 | B | 20 |
| 4 | A | 3 |
| 5 | B | 30 |

Q6 What is the result of the groupby’s count with Name used for the grouping?

Q7 What is the result of the groupby’s sum with Name used for the grouping?

Q8 What is the result of the pivot\_table with name used for the index?

For the data frame shown below:

|  |  |  |  |
| --- | --- | --- | --- |
|  | Name | Term | Score |
| 0 | A | 1 | 1 |
| 1 | B | 1 | 10 |
| 2 | A | 1 | 3 |
| 3 | B | 1 | 20 |
| 4 | A | 2 | 4 |
| 5 | B | 2 | 30 |
| 6 | A | 2 | 6 |
| 7 | B | 2 | 40 |

Q9 What is the result of the groupby’s count with Name and Term used for grouping?

Q10 What is the result of groupby’s sum with Name and Term used for grouping?

Q11 What is the result of the pivot\_table with Name and Term used for the index?

Q12 What is the result of the pivot\_table with Name as the index and Term as the columns?