

Apache SystemML

Quiz, 6 questions

✓ **Congratulations! You passed!**

Next Item



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points

1.
Which execution environments are supported by SystemML?



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points

2.
Which programming language environments are supported by SystemML?



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points

3.
What options exist to implement a DeepLearning model in SystemML?



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points

4.

What's the value of **c** after computation completes?

Apache SystemML

Quiz, 6 questions

IBM Data Science Experience

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My Projects > courseraai > SystemMLQuiz

File Edit View Insert Cell Kernel Help

        Run    Format Code 

```
In [10]: from systemml import dml, MLContext
import numpy as np
```

```
In [3]: ml = MLContext(spark)
```

```
In [20]: script = """
c = sum(a %*% t(b))
"""
```

```
In [21]: a = np.array([[1,2,3]])
b = np.array([[4,5,6]])
prog = dml(script).input('a', a).input('b', b).output('c')
c = ml.execute(prog).get('c')
```



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points

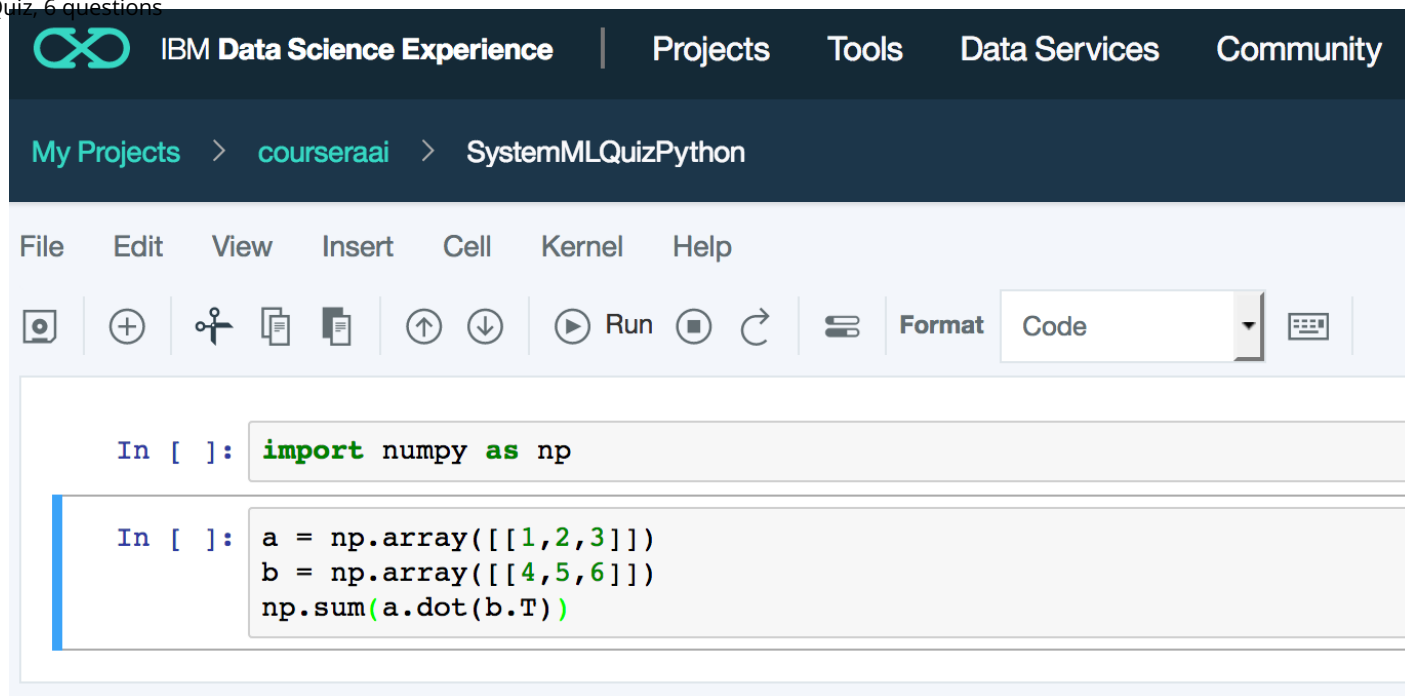
5.

Please look at the two screenshots.

Apache SystemML

What is the advantage of the SystemML code over the pure numpy code?

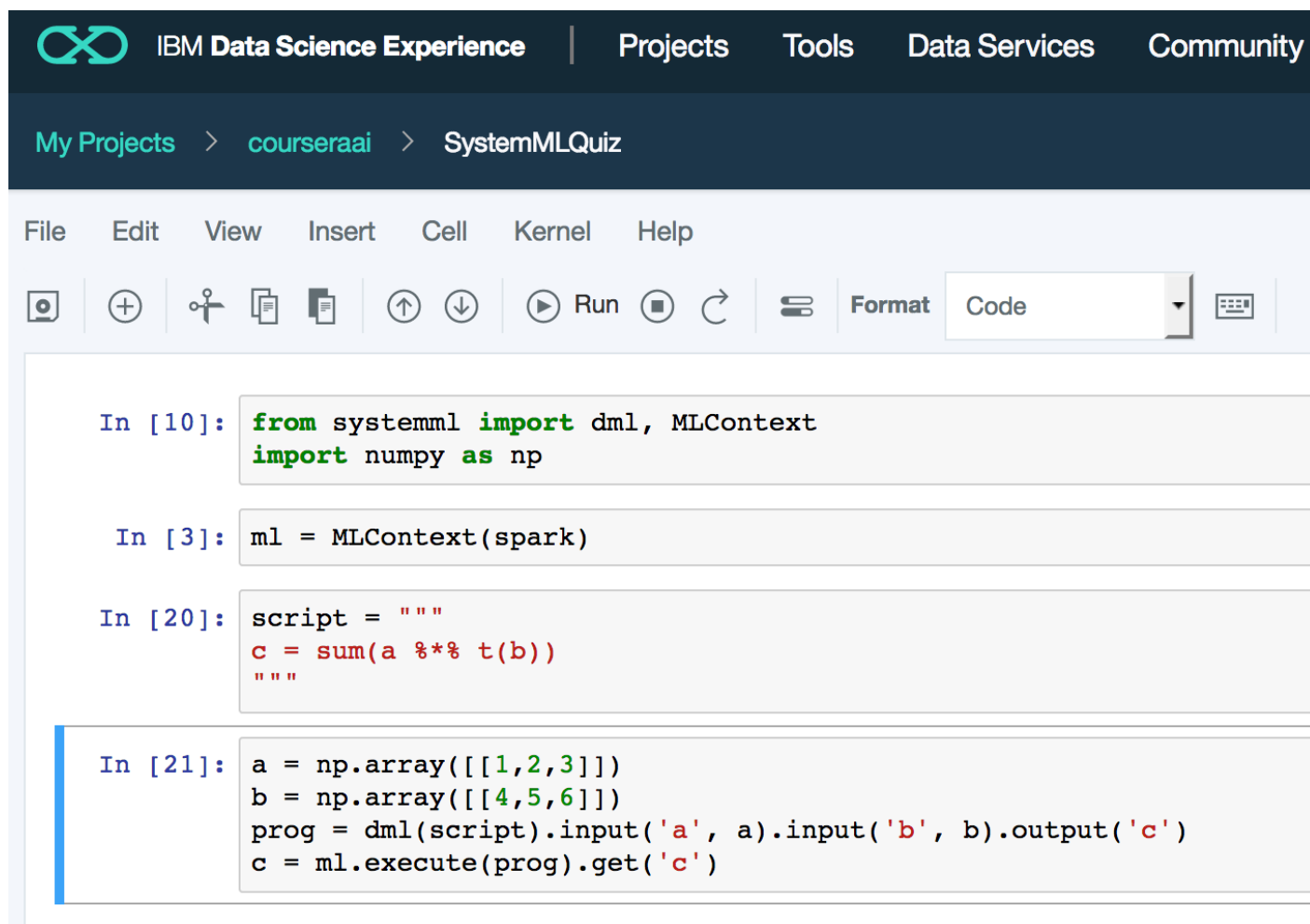
Quiz, 6 questions



The screenshot shows the IBM Data Science Experience interface. The breadcrumb navigation is 'My Projects > courseraai > SystemMLQuizPython'. The notebook contains two code cells:

```
In [ ]: import numpy as np

In [ ]: a = np.array([[1,2,3]])
        b = np.array([[4,5,6]])
        np.sum(a.dot(b.T))
```



The screenshot shows the IBM Data Science Experience interface. The breadcrumb navigation is 'My Projects > courseraai > SystemMLQuiz'. The notebook contains four code cells:

```
In [10]: from systemml import dml, MLContext
         import numpy as np

In [3]: ml = MLContext(spark)

In [20]: script = """
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```



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points

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What's are the most important similarities between SystemML and Tensorflow?

