

## Buildables Fellowship - Python, NumPy, and Pandas Questions

### NumPy Questions

1. What will be the output of the given code:

```
import numpy as np
np_2d = np.array( [ [2, 3], [4, 5], [6, 7] ] )
print(np_2d[0,1])
```

2. What will `np.array([True, 1, 2]) + np.array([3, 4, False])` return?

### Python Questions

1. What is the output of the following code?

```
x = 41

if x > 10:
    print("Above ten,")
if x > 20:
    print("and also above 20!")
else:
    print("but not above 20.")
```

2. What is the difference between list and tuples?

### Pandas Questions

1. What will be the output of the given code:

```
# import pandas as pd
import pandas as pd

# list of strings
lst = [{1: 'Geeks', 2: 'For', 3: 'Geeks'},
       {1: 'Portal', 2: 'for', 3: 'Geeks'}]

# Calling DataFrame constructor on list
print(pd.DataFrame(lst))
```

2. How to Rename a Column in a DataFrame?

