

POST LAB EXERCISE EXP 7:

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A

```
import numpy as np
a = np.arange(2, 11).reshape(3, 3)
print("a:\n", a)
```

B

```
import numpy as np
b = np.array([1, 2, 3, 4, 5])
b_rev = b[::-1]
print("\nb (Reversed):", b_rev)
```

C

```
import numpy as np
c1 = np.array([1, 2, 3, 4, 5])
c2 = np.array([4, 5, 6, 7, 8])
c_common = np.intersect1d(c1, c2)
print("\nCommon values:", c_common)
```

D

```
import numpy as np
d = np.array([10, 20, 30])
d_repeat = np.repeat(d, 3)
print("\nRepeated elements:", d_repeat)
```

E

```
import numpy as np
e = np.array([1, 2, 3, 4, 5])
print("\nMemory size:", e.size * e.itemsize, "bytes")
```

F

```
import numpy as np
```

```
f_zeros = np.zeros((2, 3))
f_ones = np.ones((2, 3))
print("\nZeros array:\n", f_zeros)
print("\nOnes array:\n", f_ones)
```

G

```
import numpy as np
g = np.array([10, 20, 30, 40, 50])
print("\n4th element:", g[3])
```