Complex data types

```python
In [2]:  z = 3 + 4j
         z
```

Out[2]: (3+4j)

```python
In [4]:  print(z.real) ## gets the real part 3
         print(z.imag) # gets the imaginary part 4
```

    3.0
    4.0

```python
In [6]:  a = 4 + 5j
         b = 5 + 6j

         a + b
```

Out[6]: (9+11j)

```python
In [8]:  a - b
```

Out[8]: (-1-1j)

```python
In [10]:  a * b
```

Out[10]: (-10+49j)

```python
In [14]:  a / b
```

Out[14]: (0.8196721311475409+0.01639344262295085j)

```python
In [23]:  print(abs(z))
```

    5.0

```python
In [41]:  print(z.conjugate())
```

    (3-4j)

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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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In [ ]:
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