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In [2]: # complex Data Type
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In [6]: # z=real+imaginary*1j
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```
In [8]: # z=3+2j 3 is real part and 2 is imaginary part
```

```
In [10]: z=3+4j
```

```
In [12]: print(z.real)
         print(z.imag)
```

```
3.0
4.0
```

```
In [14]: # operation with complex number
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```
In [16]: a=3+4j
         b=1+2j
```

```
In [18]: print(a+b)
         print(a-b)
         print(a*b)
         print(a/b)
```

```
(4+6j)
(2+2j)
(-5+10j)
(2.2-0.4j)
```

```
In [20]: # Using Built in Function
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```
In [22]: z=3+4j
```

```
In [26]: print(abs(z)) # Returns the magnitude (absolute value) of the complex number.
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```
5.0
```

```
In [30]: print(z.conjugate()) # Returns the complex conjugate of the number.
```

```
(3-4j)
```

```
In [ ]:
```