

Practical - 2

AIM

Perform elementary logical operations in Octave/MATLAB/R/Python (like OR, AND, Checking for Equality, NOT, XOR).

CODE & OUTPUT

```
In [1]: True | False
```

```
Out[1]: True
```

```
In [2]: False | False
```

```
Out[2]: False
```

```
In [3]: True & True
```

```
Out[3]: True
```

```
In [4]: False & True
```

```
Out[4]: False
```

```
In [5]: 3 | 4
```

```
Out[5]: 7
```

```
In [6]: 3 & 4
```

```
Out[6]: 0
```

```
In [7]: 3 == 4
```

```
Out[7]: False
```

```
In [8]: True == True
```

```
Out[8]: True
```

```
In [9]: False == True
```

```
Out[9]: False
```

```
In [10]: 5 == 6
```

Out[10]: False

In [11]: `4 == 4`

Out[11]: True

In [12]: `"string" == "str"`

Out[12]: False

In [13]: `"str" == "str"`

Out[13]: True

In [14]: `not True`

Out[14]: False

In [15]: `not False`

Out[15]: True

In [17]: `3 ^ 4`

Out[17]: 7

In [18]: `True ^ False`

Out[18]: True

In [19]: `False ^ False`

Out[19]: False

In [20]: `False ^ True`

Out[20]: True

In [21]: `True ^ True`

Out[21]: False