



IF-ELSE STATEMENT

CONDITIONAL STATEMENT

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L9-if-else-solution.ipynb • notebook > L9-if-else-solution.ipynb > ...
+ Code + Markdown | ▶ Run All ⏹ Restart ≡ Clear All Outputs 📊 View data 📄 Jupyter Variables 📖 Outline ... Python 3.13.0

if-else Statement

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if statement

```
1 grade = 7.3
2
3 if grade >= 5.0:
4     print("PASSED!")
```

```
1 grade = 4.5
2
3 # evaluate grade
4 if grade >= 5.0:
5     print("PASSED!")
6 if grade < 5.0:
7     print("FAILED!")
```

if-else statement

```
1 grade = 4.0
2
3 # evaluate grade
4 if grade >= 5.0:
5     print("PASSED!")
6 else:
7     print("FAILED!")
```

if-elif-else statement

```
1 grade = 2.9
2
3 # evaluate grade
4 if grade >= 5.0:
5     print("PASSED!")
6 elif grade < 5.0: # < 5.0 evaluated first
7     print("FAILED")
8 elif grade < 3.0:
9     print("DISMISSED!")
10 else:
11     print("INVALID!")
```

```
1 grade = 2.9
2
3 # evaluate grade
4 if grade >= 5.0:
5     print("PASSED!")
6 elif grade < 3.0: # < 3.0 evaluated first
7     print("DISMISSED!")
8 elif grade < 5.0:
9     print("FAILED!")
10 else:
11     print("INVALID!")
```