



IF-ELSE STATEMENT

CONDITIONAL STATEMENT

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if-else Statement

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if statement

```
1 # passing score is 5.0
2 grade = 7.3
3
4 if grade >= 5.0:
5     print("PASSED!")
```

Python

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

Python

if-else statement

```
1 # if grade >= 5.0 is True, else will not be evaluated
2 grade = 4.0
3
4 # evaluate grade
5 if grade >= 5.0:
6     print("PASSED!")
7 else:
8     print("FAILED!")
```

Python

if-elif-else statement

```
1 # if grade >= 5.0 is True, other conditions will not be evaluated
2 grade = 2.9
3
4 # evaluate grade
5 if grade >= 5.0:
6     print("PASSED!")
7 elif grade < 5.0: # < 5.0 evaluated first
8     print("FAILED")
9 elif grade < 3.0:
10     print("DISMISSED!")
11 else:
12     print("INVALID!")
```

Python



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```
1 # if grade >= 5.0 is True, other conditions will not be evaluated
2 grade = 2.9
3
4 # evaluate grade
5 if grade >= 5.0:
6     print("PASSED!")
7 elif grade < 3.0: # < 3.0 evaluated first
8     print("DISMISSED!")
9 elif grade < 5.0:
10    print("FAILED!")
11 else:
12    print("INVALID!")
```

Python