



PYTHON BOOTCAMP

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CONDITIONAL STATEMENTS



- **if-else:** 2 conditions
- **if-elif-else:** more than 2 conditions

```
4  age = 18
5
6  if age >= 18:
7      print("You are an adult.")
8  else:
9      print("You are a minor.")
```

```
12  score = 85
13
14  if score >= 90:
15      grade = "A"
16  elif score >= 80:
17      grade = "B"
18  elif score >= 70:
19      grade = "C"
20  elif score >= 60:
21      grade = "D"
22  else:
23      grade = "F"
24
25  print(f"Your grade is: {grade}")
```

CONDITIONAL STATEMENTS



- **and:** both conditions must be True
- **or:** at least one condition must be True

```
28 user_age = 25
29 has_license = True
30
31 if user_age >= 18 and has_license:
32     print("You are allowed to drive.")
33 else:
34     print("You are not allowed to drive.")
```

```
37 day = "Saturday"
38
39 if day == "Saturday" or day == "Sunday":
40     print("It's the weekend!")
41 else:
42     print("It's a weekday.")
```

CONDITIONAL STATEMENTS



- **Nested conditions:** Condition within condition

```
45  weather = "sunny"
46  temperatture = 75
47
48  if weather == "sunny":
49      if temperatture > 70:
50          print("It's sunny and warm.")
51      else:
52          print("It's sunny but cool.")
```

CONDITIONAL STATEMENTS



Operators:

- `=` Assignment
- `==` Equal to
- `===` Strict equality
- `!=` Not equal
- `>` Greater than
- `<` Less than
- `>=` Greater and equal to
- `<=` Less and equal to

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Exercise:

1. Write a program that categorizes BMI (Body Mass Index) into underweight(<18.5), normal weight(<24.9), overweight(<29.9), and obesity(<30.0). (formula = kg/m^2)