

Week 6 In-class Exercises

- 1) **Warm-Up:** Write a function that takes a number between 0 and 100 and prints out the letter grade (A is 90-100, B is 80-89, C is 70-79, D is 60-69, F is 0-59)
- 2) If it is X degrees Celsius, it is $(9/5)*X + 32$ degrees Fahrenheit. Write a function that takes in degrees in C and returns the temperature in F.
- 3) Write a function that converts decimals (like 0.83) to percentages (83). You should return the percent, not print it out.
- 4) Write a function that takes in an integer and returns that number raised to the fourth power (`raise_to_the_fourth(3)` should return $3^4 = 3*3*3*3 = 81$)
- 5) On weekdays, you wake up at 6am. On weekends, you wake up at 9. Write a function that takes in an integer representing the day of the week (0=Sunday, 1 = Monday, etc.) and returns the time you should set your alarm for.
- 6) On holidays, you get to sleep until 11. Improve your last function to also take in a Boolean parameter, `is_holiday`, and return the correct alarm time.
- 7) Write a function that takes in an integer and prints that many asterisks (*) in a row:

```
print_stars(5)
>> *****
```

