

# Intro to Creative Computing

## Week 11: Repetition!

# Tasks

- **Written on paper**
  - Not marked
  - But checked
- 
- Task 1: Print your name!

# Tasks

- Task 2: Using a **for loop** count to 5 ?
- Task 3: How would you rewrite it to count from 3 to 23 ?

# Tasks

- Task 4: Write a function which checks if a number is odd
- *Hint: Return True or False depending on if it's odd*
- *Hint: You can use modulo (sign %)*

# Tasks

- Task 5: Write a function which selects a maximal number from a list, write the checking yourself
- *Hint: Don't forget to return the number*
- *Bonus: Check if your function actually got a list with more than just 1 element in it!*

# Tasks

- Task 6: Make a dictionary to translate 3 selected English words to Spanish. Use this dictionary to translate a word input by user – and if you don't have this word in the dictionary print "UNK"
- *Potato = Patata*
- *Cat = Gato*
- *Dog = Perro*

# Tasks

- Task 7: Load a text from a file and print it's lengths (the number of characters)

# Tasks

- Task 8: Convert a string to **lower case**, **strip it's spaces** (empty characters like " ") and then give me the substring from the 5<sup>th</sup> to 10<sup>th</sup> place
- *Hint: Indexing strings works like indexing lists!*



# Tasks

- Task 9: Extract information from a string:
  - String = "model\_potato\_3layers\_128units\_griffLim"
- Extract the name of the model ("potato")
- *Hint: You can split the string into list by for example "\_" then you would be able to get the name easily*
- Bonus: Extract also the number of layers (3) and units (128)

# Tasks

- Task 10: Check if a string contains a word “Alice”

*Hint: print the result (saying “yes, it contains” or “no, it doesn’t”)*

# Tasks

- Task 11: Check if a string is exactly “Alice”
- Task 12: Check how many times the string contains “Alice”

# Tasks (last one!)

- Task 13: Write a class for point
- *Hint: point should have x,y*
- *Hint: as a method it should be able to give you distance from <0,0>*

Pause 1