

## RECITATION 7

**Q1.** Write a program with functions.

- The first function reads a name.
- The second function prints the name.

**Q2.** Read 3 words separately into 3 different strings. Make a 4th string that contains the 3 words separated by a space and print the content of the 4th string.

```
enter the first word: this
enter the second word: is
enter the third word: it

this is it
```

**Q3.** Write a function with a string as parameter and an integer 1 (true) or 0 (false) as return value. The function tests whether the entered string is a palindrome or not. A palindrome is a word or sentence that reads the same backward and forward. Write also a main function to test it. Note that punctuation, capitalization and spaces will be ignored. Here are some palindrome words and sentences:

- noon, radar, rotor, racecar, ...
- Was it a car or a cat I saw?
- Eva, can I stab bats in a cave?

**Q4.** Write a program that reads a string and prints every word of that string separately on a new line.

**Q5.** Write a program that reads N names and prints them alphabetically. Use your own string compare function that first copies the strings in capitals and without punctuation and spaces and uses strcmp on the copies.

Make sure also following names are sorted correctly: O'Neil, Mac Alastair, Macbride, mac Caba, O Neal, Orman