

## Team Application Exercises (tAPP)

### 1 - Slicing

Using a pen and paper, write a programme that asks the user to type in the first line of their favourite song and display the length of that string. The programme should also ask a starting number and an ending number and then display just that section of the text.

```
3 phrase = input("Enter the first line of your favourite song: ")
4 length = len(phrase)
5 print("This has", length, "letters in it")
6 start = int(input("Enter a starting number: "))
7 end = int(input("Enter an end number: "))
8 part = (phrase[start:end])
9 print(part)
```

### 2 - Exercise: Umbrella or no umbrella

Using a pen and a paper, write a programme that asks the user if it is raining and convert their answer to lower case so that it doesn't matter what case they type in. If they answer "yes", ask if it is windy. If they answer "yes" to the second question, display the answer "It's too windy for an umbrella", otherwise display the message "Take an umbrella". If they did not answer "yes" to the first question, display the answer "Enjoy your day".

```
raining = input("Is it raining? ")
raining = raining.lower()
if raining == "yes":
    windy = input("Is it windy? ")
    windy = windy.lower()
    if windy == "yes":
        print("It is too windy for an umbrella")
    else:
        print("Take an umbrella")
else:
    print("Enjoy your day")
```