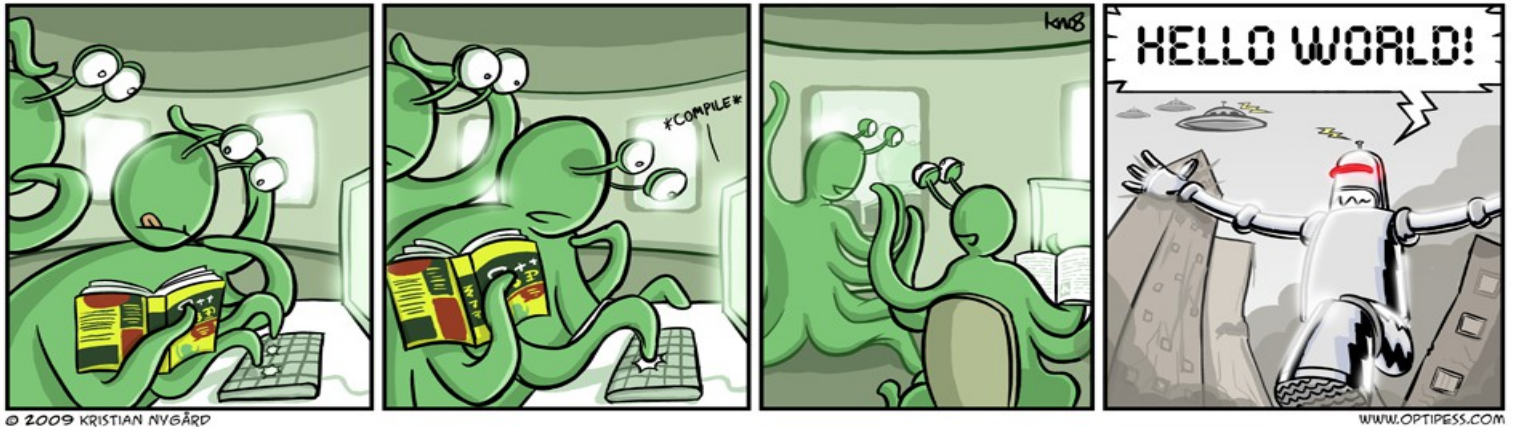


CS118 Program

Hello, World 2



We're going to write a Python program that will find pieces of "Hello, World!" within a user-provided string. To that end, write your program so that it accepts a string from the user. Collect also an integer value: validate it is an integer and not a float and have the user provide new values until it is an integer that is at least 1. (You may assume the user will provide you with a number.)

Once your program has a string and an integer, pass them as arguments to your programmer-defined function, `FindSubs()`. Write this function so that it takes in those two arguments and returns a list of all the sub-strings of the string `Hello, World!` which are of specified length (the integer argument) and which are also contained within the provided string. When looking for these sub-strings, consider them without regard to case – an uppercase letter should be considered the same as a lowercase letter.

Back in the main program, collect the returned list and print out a nice report that looks like the one shown below.

```
Please provide a string: After Hello, World! what else is there?
Please provide an integer > 0: 4

Original string: "After Hello, World! what else is there?"
Length          Substring
-----
4              HELL
4              ELLO
4              LLO,
4              LO,
4              O, W
4              , WO
4              WOR
4              WORL
4              ORLD
4              RLD!
```

```
Please provide a string: He really won't leave this world!
Please provide an integer > 0: 2

Original string: "He really won't leave this world!"
Length          Substring
-----
2              HE
2              LL
2              W
2              WO
2              OR
2              RL
2              LD
2              D!
```

