

# Week-1, PPAs

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This document has hints to 4 questions.

## PPA-3

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The `input` function always returns a string. If you want to accept an integer from the console, you have to first accept a string and then convert it into an integer:

```
1 word = input()
2 x = int(word)    # x is now an integer
```

You could of course do it in a single line as:

```
1 x = int(input())
```

Do not get confused between the exponentiation and the multiplication operator:

- `*`: multiplication
- `**`: exponentiation

## PPA-5

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String concatenation is a good place to start:

```
1 first = 'one'
2 second = 'two'
3 print(first + second)
```

The output is:

```
1 onetwo
```

Now, how do you modify the code so that there is a space between `one` and `two`? This is something for you to think about.

## PPA-6

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Slice a string. You know the syntax. Where to start the slice and where to end it? This is something you have to figure out after looking at the test-cases.

## PPA-7

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Sometimes, it may be more beneficial to accept a string as input and not convert it into an integer right away.

```
1 x = input()
2 first = int(x[0])
```

What do you think the variable `first` contains in the above snippet of code? Do you see how you can extend this idea to solve the problem?