

# Print and Input Functions

Let us understand details related to `print` and `input` functions. These functions will help us in enhancing our learning experience.

- `print` is primarily used to print the strings on the console while `input` is used to accept the input from console.
- `input` will typically prompts the user to enter the value and we can assign to a variable and use it further.
- By default, the value passed for `input` is of type `str` and hence we need to convert the data type of the values entered before processing.

`input?`

```
Signature: input(prompt='')
Docstring:
Forward raw_input to frontends

Raises
-----
StdinNotImplementedError if active frontend doesn't support stdin.
File:      /opt/anaconda3/envs/beakerx/lib/python3.6/site-packages/ipykernel/kernelbase.py
Type:      method
```

```
a = int(input('Enter first value: '))
b = int(input('Enter second value: '))
print(f'Sum of first value {a} and second value {b} is {a + b}')
```

```
Enter first value: 4
Enter second value: 5
```

```
Sum of first value 4 and second value 5 is 9
```

- When we use `print` with one string, by default it will have new line character at the end of the string.
- We can also pass multiple strings (**varying arguments**) and space will be used as delimiter
- We can change the end of the string character, by passing argument
- `print` can accept 2 keyword arguments `sep` and `end` to support the above mentioned features.

You will understand more about keyword arguments and varying arguments in **User Defined Functions**.

`print?`

```
# Default print by using one string as argument
print('Hello')
print('World')
```

```
Hello
World
```

```
# Default print by using multiple arguments. Each argument is of type string
print('Hello', 'World')
```

```
Hello World
```

```
# Changing end of line character - empty string
print('Hello', end='')
print('World')
```

```
HelloWorld
```

```
# Changing separator to empty string
print('Hello', 'World', sep='')
```

```
HelloWorld
```

```
print('Hello', 'World', sep=' ', end=' - ')\nprint('How', 'are', 'you?')
```

Hello, World - How are you?

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