# What do instructions/functions do for us?

1. Make our code reusable.

```
1    print("Hello!")
```

```
1          print("Hello!")
```

```
1
2    print("Hello!")
```

```python
1  def say_hello():
2      print("Hello!")
```

# What do instructions/functions do for us?

1. Make our code reusable.

2. Control the flow of our program.

# Flow control

```python
1   def say_hello():
2       print("Hello!")
3
4
5   def ask_name():
6       print("What is your name?")
7       name = input()
8
9
10  ask_name()
11  if name.startswith("N"):
12      say_hello():
```

# Flow control

```python
1   def say_hello():
2       print("Hello!")
3
4
5   def ask_name():
6       print("What is your name?")
7       name = input()
8
9
10  ask_name()
11  if name.startswith("N"):
12      say_hello():
```

# Flow control

What our program is capable of doing.

```python
1    def say_hello():
2        print("Hello!")
3
4
5    def ask_name():
6        print("What is your name?")
7        name = input()
```

How our program does it.

```python
10   ask_name()
11   if name.startswith("N"):
12       say_hello():
```
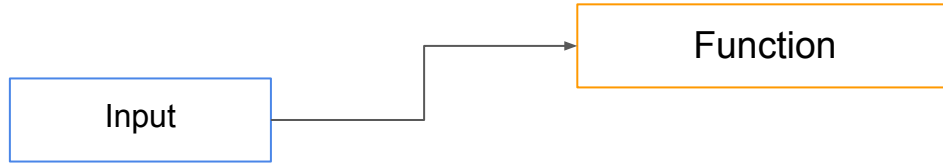
# What do instructions/functions do for us?

1. Make our code reusable.

2. Control the flow of our program.

3. Allow us to write customisable code.

# Customisable code
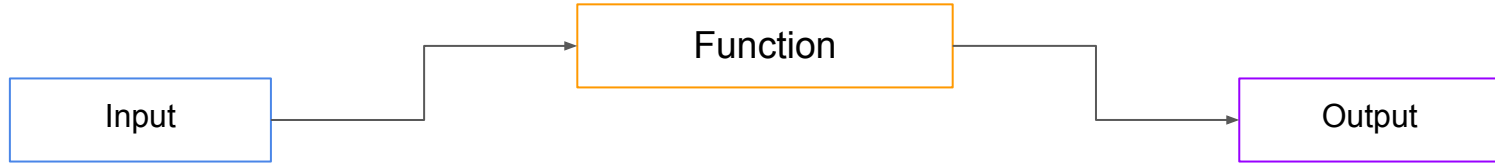
Function

# Customisable code

```
1   def say_hello(name):
2       print("Hello", name)
```

# Customisable code

```
6   def ask_age():
7       print("How old are you?")
8       age = input()
9       return age
```

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1. Make our code reusable.

2. Control the flow of our program.

3. Allow us to write customisable code.