# An Introduction to Python programming

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# if, elif, else

```python
if not done and (x > 1):
    doit()
elif done and (x <= 1):
    dothis()
else:
    dothat()
```

# while, for

```
while True:
    line = input("Please enter a sentence: ")
    if len(line) == 0:
        break
    print(line)


for letter in 'Hello, world':
    print (letter)


for i in range(2,10,2):
    print (i)
```

# Defining functions

```python
def get_final_answer(filename):
    """Documentation String"""
    line1
    line2
return total_counter

OutsideTheFunction()
```

- Function defining begins with def.
- Function name, its arguments and colon follow.
- No declaration of types of arguments or result.
- return indicates the value to be sent back to the caller.
- First line with less indentation is considered to be outside of the
function definition.