Examples for syntax errors (1/6)

```
if a == 5
  print('Hello world')
```

```
 File "test.py", line 1
   if a == 5 print('Hello world')
                 ^
SyntaxError: invalid syntax
```

```
If a == 3:
  print('hello world')
```

```
File "test.py", line 1
    If a == 3:
             ^
SyntaxError: invalid syntax
```

Examples for syntax errors (2/6)

```python
if a == 2:
  print('hello world")
```

```
File "test.py", line 2
    print('hello world")
                        ^
SyntaxError: EOL while scanning string literal
```

```python
i = 0
if 2 * (i+1) / (3 * i < 5:
  print('i={}'.format(i))
```

```
File "test.py", line 2
    if 2 * (i+1) / (3 * i < 5:
                             ^
SyntaxError: invalid syntax
```

Examples for syntax errors (3/6)

```
if a == 4:
  print 'hello world'
```

```
File "test.py", line 2
    print 'hello world'
                      ^
SyntaxError: Missing parentheses in call to 'print'
```

```
arr = [1, 2, 3 4]
```

```
File "test.py", line 1
    arr = [1, 2, 3 4]
                   ^
SyntaxError: invalid syntax
```

Examples for syntax errors (4/6)

```python
s = 'abc'
print('Here is a string {}'format(s))
```

```
File "test.py", line 2
    print("Here is a string {}"format(s))
                                  ^
SyntaxError: invalid syntax
```

```python
print('Here is a string {}'.format(s)
```

```
File "test.py", line 1
                                      ^
SyntaxError: unexpected EOF while parsing
```

Examples for syntax errors (5/6)

```python
if i > 10:
print(i)
```

```
File "test.py", line 2
    print(i)
         ^
IndentationError: expected an indented block
```

```python
countr = 0
if counter < 5:
  counter = counter + 1
```

```
Traceback (most recent call last):
  File "test.py", line 2, in <module>
    if counter < 5:
NameError: name 'counter' is not defined
```

Examples for syntax errors (6/6)

- – please report more errors, which non-trivially differ from these
- – include minimal context of lines for which the error is reported
- – include the error message by python3
- – from these errors we can all learn a lot about the language