9_1_Exception_test

May 15, 2019

0.1 Exception

```python
In [ ]: print('hello world')
        print(param)
        print('hello python')
```

```python
In [ ]: try:
            print('hello world.')
            print(param)
        except:
            print('exception occurred')
```

```python
In [ ]: try:
            print('hello world.')
            print(param)
        except:
            print('exception occurred')
        print('hello python')
```

```python
In [ ]: try:
            print('hello world.')
            print(param)
        except:
            print('exception occurred')
        else:
            print("exception doesn't occured")
```

```python
In [ ]: try:
            print('hello world.')
            print(param)
        except:
            print('exception occurred')
        finally:
            print('do!!!')
```

```python
In [ ]: try:
            print(param)
        except Exception as e:
            print(e)          # name 'param' is not defined
```

```python
In [ ]: try:
            c = a / b
        except Exception as e:
            print(e)
        print('hello python')

In [ ]: a = 5
        b = 0
        L = [1,2,3]
        print('hello')

        try :
            c = a / b
        except Exception as e:
            print(e)
        print('hello python')

In [ ]: a = 5
        b = 0
        L = [1,2,3]
        print('hello')

        try :
            print(L[3])
        except Exception as e:
            print(e)
        print('hello python')

In [ ]: a = 5
        b = 0
        print('a :', a)
        print('b :', b)

        try:
            c = a / b
        except ZeroDivisionError:
            print('cannot divide by zero')
        else:
            print(c)

In [ ]: a = 5
        b = 0
        L = [1,2,3]
        print('hello')

        try :
            c = a / b
            print(x)
            print(L[3])
```

```python
        except ZeroDivisionError:
            print('cannot divide by zero !!!')
        except NameError:
            print('no variable named "x"')
        except IndexError:
            print('out of indexing in list')
        else:
            print('else part')

        print('good bye')
```

```python
        a = 5
        b = 1
        L = [1,2,3]
        print('hello')

        try :
            c = a / b
            print(x)
            print(L[3])
        except ZeroDivisionError:
            print('cannot divide by zero !!!')
        except NameError:
            print('no variable named "x"')
        except IndexError:
            print('out of indexing in list')
        else:
            print('else part')

        print('good bye')
```

```python
        a = 5
        b = 1
        L = [1,2,3]

        print('hello')

        try :
            c = a / b
            print(L[2])
        except ZeroDivisionError:
            print('cannot divide by zero !!!')
        except IndexError:
            print('out of indexing in list')
        else:
            print('else part')

        print('good bye')
```

```
In [ ]: L = [1,2,3]

        print('hello')

        try:
            print(L[3])
        except IndexError:
            print('out of indexing in list')
        else:
            print('else part')
        finally:
            print('finally part')

        print('good bye')

In [ ]: L = [1,2,3]

        print('hello')

        try:
            print(L[2])
        except IndexError:
            print('out of indexing in list')
        else:
            print('else part')
        finally:
            print('finally part')

        print('good bye')

In [ ]:

In [ ]:

In [ ]:
```