Session 22

Basics of Python

Python Exception Handling

Assignment 12

Python Exception Handling (Assignment-12)

1. What will be the output of the following Python code?

```python
value = [1, 2, 3, 4]
data = 0
try:
    data = value[3]
except IndexError:
    print('CH IndexError  ', end = '')
except:
    print('CodingHero IndexError  ', end = '')
finally:
    print('Code IndexError  ', end = '')

data = 10
try:
    data = data/0
except ZeroDivisionError:
    print('CH ZeroDivisionError  ', end = '')
finally:
    print('CH ZeroDivisionError  ')
```

Code IndexError CH ZeroDivisionError CH ZeroDivisionError

2. What will be the output of the following Python code?

```python
try:
    if '2' != 2:
        raise ValueError
    else:
        print('same')
except ValueError:
    print('ValueError')
except NameError:
    print('NameError')
```

ValueError

3. What will be the output of the following Python code?

```python
try:
    print('try')
except ValueError:
    print('ValueError')
finally:
    print('finally')
```

try
finally

4. What will be the output of the following Python code?

```python
a = 20
b = 30
assert b - a , 'a is smaller than b'
print(b)
```

30

5. What will be the output?

```python
def CodingHero():
    try:
        return 1
    finally:
        return 2
k = CodingHero()
print(k)
```

2

6. What will be the output?

```python
def CodingHero():
    try:
        print(1)
    finally:
        print(2)
CodingHero()
```

1
2

7. What will be the output of the following Python code?

```python
x=10
y=8
assert x>y, 'X too small'
```

Error

8. Identify the errors thrown, when these snippets are executed?

a. ```t[5]``` b. ```4 + '3'``` c. ```int('65.43')```

a) Name error b) Type error c) Value Error

9. Compare the following two Python codes shown below and state the output if the input entered in each case is -6?

```python
CODE 1
import math
num=int(input("Enter a number of whose factorial you want to find"))
print(math.factorial(num))

CODE 2
num=int(input("Enter a number of whose factorial you want to find"))
print(math.factorial(num))
```

a) ValueError, NameError

b) AttributeError, ValueError

c) NameError, TypeError

d) TypeError, ValueError

c) NameError, TypeError

10. What will be the output of the following Python code?

```
def getMonth(m):
    if m<1 or m>12:
        raise ValueError("Invalid")
    print(m)
getMonth(6)
```

6

11. What will be the output of the following Python code?

```
valid = False
while not valid:
    try:
        n=int(input("Enter a number"))
        while n%2==0:
            print("Bye")
        valid = True
    except ValueError:
        print("Invalid")
```

Error:

Invalid

12. An exception is _____

a) object

    a) an object

    b) a special function

    c) a standard module

    d) a module

13. Which of the following is not a standard exception in Python?

    a) NameError

c) AssignmentError

    b) IOError

    c) AssignmentError

    d) ValueError

14. Which of the following blocks will be executed whether an exception is thrown or not?

    a) except

    b) else

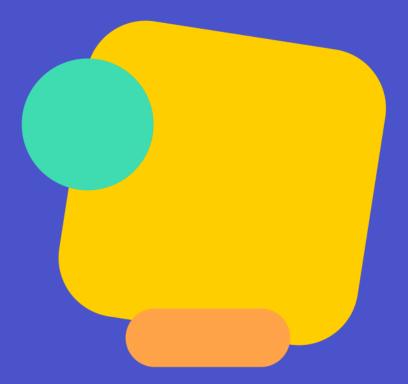c) finally

    c) finally

    d) assert

Reference:

https://pynative.com/python-numbers-quiz/

https://www.sanfoundry.com/python-questions-answers-built-in-functions-1/

http://letsfindcourse.com/technical-questions/python-mcq-questions/function

http://r4r.in/mcqs/learn.php?test_id=4&subid=1&subcat=Python&test=Data%20type%20in%20python

⟨ CODING HERO ⟩