Python Homework

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476. What will be the output after the following statements?

    def xyz(): x = 40 abc() print(x) def abc(): a = 32 x = 10 xyz()

    a. NameError b. 40 c. 10 d. 32

477. What will be the output after the following statements?

    def xyz(): x = 40 def abc(): xyz() a = 32 x = 10 print(x) abc()

    a. NameError b. 40 c. 10 d. 32

478. What will be the output after the following statements?

    def abc(): print(x) x = 10 abc()

    a. NameError b. x c. 10 d. 0

479. What will be the output after the following statements?

    def abc(): x = 12 print(x) x = 10 abc()

    a. NameError b. 12 c. 10 d. 0

480. What will be the output after the following statements?

    def abc(): x = 10 print(x) abc() x = 12

    a. NameError b. 12 c. 10 d. 0

481. What will be the output after the following statements?

```
def abc(): global x x = 23 x = 10 abc() print(x)
```
a. NameError b. 23 c. 10 d. 0

482. What will be the output after the following statements?

```
def abc(): print(x) x = 10 abc() x = 20
```
a. NameError b. 20 c. 10 d. UnboundLocalError

483. What will be the output after the following statements?

```
def abc(x): return 20 / x print(abc(4))
```
a. NameError b. 5 c. 5.0 d. ZeroDivisionError

484. What will be the output after the following statements?

```
def abc(x): return 20 / x print(abc(0))
```
a. NameError b. Undefined c. 5.0 d. ZeroDivisionError

485. What will be the output after the following statements?

```
def abc(x): try: print(20 / x) except: print('Not a valid argument', end=' ') print(abc(0))
```
a. NameError b. Not a valid argument c. Not a valid argument None d. ZeroDivisionError

486. What will be the output after the following statements?

    def abc(x): try: print(20 / x) except: print('Not a valid argument', end=' ') finally: print(0, end=' ')
print(abc(0))

    a. Not a valid argument 0 None b. Not a valid argument c. Not a valid argument None d. ZeroDivisionError

487. What will be the output after the following statements?

    x = [1, 2, 3, 4] print(x[4])
    a. 4 b. 3 c. [1, 2, 3, 4] d. IndexError

488. What will be the output after the following statements?

    x = [10, 20, 30, 40] print(x[20])
    a. 20 b. 30 c. [20] d. IndexError

489. What will be the output after the following statements?

    x = [1.0, 2.0, 3.0] print(x[2.0])
    a. 2 b. 3.0 c. TypeError d. IndexError

490. What will be the output after the following statements?

    x = [1.0, 2.0, 3.0] print(x[int(2.0)])
    a. 2 b. 3.0 c. TypeError d. IndexError

491. What will be the output after the following statements?

    x = ['Today', 'nice', 'day'] print(x[0] + ' is a ' + x[1] + x[2])

    a. Today is a niceday b. Today is a nice day c. Todayis aniceday d. Todayisaniceday

492. What will be the output after the following statements?

    x = ['Today', 'Sunday', 'Monday'] print(x[0] + ' was a great day')

    a. Today was a great day b. Sunday was a great day c. TypeError d. IndexError

493. What will be the output after the following statements?

    x = ['Today', 'Sunday', 'Monday'] print(x[-1] + ' was a great day')

    a. Today was a great day b. Sunday was a great day c. Monday was a great day d. IndexError

494. What will be the output after the following statements?

    x = ['Today', 'Sunday', 'Monday'] print(x[-3] + ' was a great day')

    a. Today was a great day b. Sunday was a great day c. Monday was a great day d. IndexError

495. What will be the output after the following statements?

    x = ['Today', 'Sunday', 'Monday'] x[2] = 'Friday' x[1] = 'Yesterday' print(x[-2] + ' was a great day')

    a. Friday was a great day b. Sunday was a great day c. Monday was a great day d. Yesterday was a great day

Answer Key

홀수와 짝수의 개수를 구하는 func 함수를 만드세요.

[3, 4, 5, 6, 7] = 홀수 3개, 짝수 2개
[12, 16, 22, 24, 29] = 홀수 1개, 짝수 4개
[41, 43, 45, 47, 49] = 홀수 5개, 짝수 0개

홀수 : 2로 나누어 떨어지지 않는 정수
짝수 : 2로 나누어 떨어지는 정수

```python
def func (numlist):



func([3, 4, 5, 6, 7])
func([12, 16, 22, 24, 29])
func([41, 43, 45, 47, 49])
```