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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » The Joy Of Computing Using Python
(course)



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Course
outline

How does an
NPTEL
online
course
work? ()

Week 0 ()

Week 1 ()

Week 2 ()

Week 3 ()

week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 8 ()

Week 3 : Assignment

The due date for submitting this assignment has passed.

Due on 2023-08-16, 23:59 IST.

Assignment submitted on 2023-08-06, 22:42 IST

1) What will be the output of the following code?

1 point

```
L = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h']
```

```
print(L[2:5])
```

- ☐ a, b, c
- ☐ a, b, c, d
- ☒ c, d, e
- ☐ c, d, e, f

Yes, the answer is correct.

Score: 1

Accepted Answers:

c, d, e

2) Which of the following is a valid way to declare a dictionary in Python?

1 point

- ☒ {1: "one", 2: "two", 3: "three"}
- ☐ [1: "one", 2: "two", 3: "three"]
- ☐ (1: "one", 2: "two", 3: "three")
- ☐ <1: "one", 2: "two", 3: "three">

Yes, the answer is correct.

[Week 9 \(\)](#)[Week 10 \(\)](#)[Week 11 \(\)](#)[Week 12 \(\)](#)[Text Transcripts \(\)](#)[Download Videos \(\)](#)[Books \(\)](#)[Problem Solving Session - July 2023 \(\)](#)

Score: 1

Accepted Answers:

`{1: "one", 2: "two", 3: "three"}`3) Which of the following method is correct to add an element at a specific position? **1 point**

- ☒ `insert()`
- ☐ `add()`
- ☐ `append()`
- ☐ `index()`

Yes, the answer is correct.

Score: 1

Accepted Answers:

`insert()`4) What is the correct syntax to add an item to the end of a list in Python? **1 point**

- ☐ `list.add(item)`
- ☒ `list.append(item)`
- ☐ `list.insert(item)`
- ☐ `list.extend(item)`

Yes, the answer is correct.

Score: 1

Accepted Answers:

`list.append(item)`5) Which of the following is not a valid data type in Python? **1 point**

- ☐ integer
- ☐ string
- ☐ float
- ☒ character

Yes, the answer is correct.

Score: 1

Accepted Answers:

`character`6) What is the output of the following code? **0 points**

```
for i in range(1, 21):
    if i % 3 == 0 and i % 5 == 0:
        print("FizzBuzz")
    elif i % 3 == 0:
        print("Fizz")
    elif i % 5 == 0:
        print("Buzz")
    else:
        print(i)
```

- ☐ Prints numbers from 1 to 20

- ☒ Prints Fizz for multiples of 3 and Buzz for multiples of 5
- ☐ Prints FizzBuzz for multiples of 3 and 5
- ☐ None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

Prints FizzBuzz for multiples of 3 and 5

7) What is the output of the following code?

1 point

a = 5

b = 2

print(a // b)

- ☒ 2
- ☐ 2.5
- ☐ 3
- ☐ 2.0

Yes, the answer is correct.

Score: 1

Accepted Answers:

2

8) What is the output of the following code?

1 point

s = "hello"

print(s[::-1])

- ☐ "hello"
- ☒ "olleh"
- ☐ "hlo"
- ☐ "leh"

Yes, the answer is correct.

Score: 1

Accepted Answers:

"olleh"

9) What is the output of the following code?

1 point

a = 10

b = 5

c = a % b

print(c)

- ☐ 2
- ☐ 5
- ☒ 0
- ☐ 1

Yes, the answer is correct.

Score: 1

Accepted Answers:

0

10) What is the output of the following code?

1 point

```
s = "python"  
print(s[1:4])
```

- ☐ "pyt"
- ☒ "yth"
- ☐ "tho"
- ☐ "hon"

Yes, the answer is correct.

Score: 1

Accepted Answers:

"yth"