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



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 9 ()

Week 10 ()

Week 11 ()

- Browser Automation Whatsapp using Python - Part 01 (unit?)

Week 11 : Assignment 1

The due date for submitting this assignment has passed.

Due on 2023-04-12, 23:59 IST.

Assignment submitted on 2023-04-05, 22:11 IST

1) Which statement will return the calendar for a whole year?

1 point

- ☐ calendar.month(year)
- ☐ calendar(year)
- ☒ calendar.prcal(year)
- ☐ calendar.year(year)

Yes, the answer is correct.

Score: 1

Accepted Answers:

`calendar.prcal(year)`

2) By which statement can we come out of the loop?

1 point

- ☐ continue
- ☐ leave
- ☐ catch
- ☒ break

Yes, the answer is correct.

Score: 1

Accepted Answers:

`break`

3) What time.time() will return?

1 point

- ☒ Time in seconds.
- ☐ Current date and time.
- ☐ Time in minutes
- ☐ The current date, time and year.



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n=228)

● Browser
Automation
Whatsapp using
Python - Part 02
(unit?
unit=227&less
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● Browser
Automation
Whatsapp using
Python - Part 03
(unit?
unit=227&less
n=230)

● Browser
Automation
Whatsapp using
Python - Part 04
(unit?
unit=227&less
n=231)

● Fun with
Calendar - Part
01 (unit?
unit=227&less
n=232)

● Fun with
Calendar - Part
02 (unit?
unit=227&less
n=233)

● Fun with
Calendar - Part
03 (unit?
unit=227&less
n=234)

● Fun with
Calendar - Part
04 (unit?
unit=227&less
n=235)

● Fun with
Calendar - Part
05 (unit?
unit=227&less
n=236)

● Fun with
Calendar - Part
06 (unit?
unit=227&less
n=237)

● Fun with
Calendar - Part
07 (unit?

Yes, the answer is correct.

Score: 1

Accepted Answers:

Time in seconds.

4) Which library used to get all timezones?

1 point

- ☐ selenium
- ☐ calender
- ☐ nltk
- ☒ pytz

Yes, the answer is correct.

Score: 1

Accepted Answers:

pytz

5) What is the output of the following code:

1 point

```
1 import pytz
2 from datetime import datetime as dt
3
4 zone = pytz.all_timezones
5
6 for i in range(len(zone)):
7     print(dt.now(pytz.timezone(zone[i])))
```

- ☒ Print the current date and time of all time zones.
- ☐ Print the current date and time of specific time zones.
- ☐ Print the current date of all time zones.
- ☐ Print the current date of some specific time zones.

Yes, the answer is correct.

Score: 1

Accepted Answers:

Print the current date and time of all time zones.

6) In the page rank algorithm,

1 point

- ☐ We randomly travel from node to node without any relationship.
- ☐ We randomly travel from node to neighbor node.
- ☐ The maximum visited node will be the leader.
- ☒ 2 and 3
- ☐ 1 and 3

Yes, the answer is correct.

Score: 1

Accepted Answers:

2 and 3

7) If we perform the page rank algorithm on the web as a graph, which of the following is true?

1 point

- ☒ Websites are nodes, and hyperlinks in websites are edges.
- ☐ Hyperlinks in websites are nodes, and websites are edges.
- ☐ Websites will work as nodes and edges.
- ☐ Hyperlinks will work as nodes and edges.



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n=238)

Fun with
Calendar - Part
08 (unit?
unit=227&less
n=239)

Fun with
Calendar - Part
09 (unit?
unit=227&less
n=240)

Fun with
Calendar - Part
10 (unit?
unit=227&less
n=241)

Fun with
Calendar - Part
11 (unit?
unit=227&less
n=242)

Fun with
Calendar - Part
12 (unit?
unit=227&less
n=243)

Week 11
Feedback
Form: The Joy
of Computing
using Python
(unit?
unit=227&less
n=244)

Quiz: Week 11
: Assignment 1
(assessment?
name=331)

Week 11:
Programming
Assignment 1
(/noc23_cs20/pr
ogassignment?
name=332)

Week 11:
Programming
Assignment 2
(/noc23_cs20/pr
ogassignment?
name=333)

Week 11:
Programming
Assignment 3
(/noc23_cs20/pr
ogassignment?
name=334)

Yes, the answer is correct.

Score: 1

Accepted Answers:

Websites are nodes, and hyperlinks in websites are edges.

8) In the page rank algorithm, the leader is decided by?

1 point

- ☐ A node(person) with a maximum number of outgoing edges.
- ☐ A node(person) with a maximum number of incoming edges.
- ☒ A node(person) that is visited maximum times.
- ☐ Can not decide.

Yes, the answer is correct.

Score: 1

Accepted Answers:

A node(person) that is visited maximum times.

9) Which statement is correct about the following program?

1 point

```
1 import random
2 import matplotlib.pyplot as plt
3
4 l = []
5 count = 0
6
7 for i in range(10):
8     guess = random.randint(1, 10)
9     pick = random.randint(1, 10)
10
11     if(guess!=pick):
12         count+=1
13         l.append(count)
14     else:
15         count-=1
16         l.append(count)
17
18 plt.plot(l)
19 plt.show()
```

- ☐ The graph will go up when guess and pick are the same.
- ☐ The graph will go down when guess and pick are the same.
- ☐ The graph will go up when guess and pick are not the same.
- ☒ Both B and C

Yes, the answer is correct.

Score: 1

Accepted Answers:

Both B and C

10) Which of the following is not used as conditional statement in Python?

1 point

- ☒ switch
- ☐ if...else



Week 12 ()

**Text
Transcripts ()**

**Download
Videos ()**

Books ()

**Live Session
()**

**Problem
Solving
Session ()**

- ☐ elif
- ☐ None of the mentioned above

Yes, the answer is correct.

Score: 1

Accepted Answers:

switch

