

←

→

↺

🏠

🔒

https://onlinecourses.nptel.ac.in/noc20_cs83/unit?unit=37&assessment=294

☆

🌐

🔴

⚙️

🔄

📧

👤

⋮

Mayur Pai

Tu Phodega

Engineering Calcula...

Disney+ Hotstar

Social Media

Google

Torrents

Online Shopping

Speed Test

VTU Results

Web Development

Online Courses


> | 📁 Other favorites

FREE ONLINE EDUCATION

swayam

🇮🇳

🌐



mayur5pai@gmail.com ▾

NPTEL » The Joy of Computing using Python

Announcements

About the Course

Ask a Question

Progress

Mentor

Unit 3 - Week 2

Course outline

How does an NPTEL online course work?

Week 1

Week 2

● Introduction to Anaconda

● Installation of Anaconda

● Introduction to Spyder IDE

● Printing statements in Python

● Understanding Variables in Python

● Executing a sequence of instructions in the Console

● Writing your First Program

● Taking inputs from the user

● Discount Calculation

● Motivation to if condition

● A reminder on how to deal with numbers

● Understanding if condition's working

Assignment 2

Your last recorded submission was on 2020-09-23, 22:15 IST

NOTE: Python 3.7 has been used for this Assignment

Due date: 2020-09-30, 23:59 IST.

1) Identify the statement with an invalid syntax. Expected Output: Stay Safe! Friends1 point

☐ print("Stay Safe!","Friends")

☐ print("Stay Safe! Friends")

☐ print("Stay Safe! Friends')

☐ print(Stay Safe Friends)

2) Predict the output for the following code that checks the eligibility to vote.1 point

```
age=19
if age>=18
    print('Hey! You are eligible to vote')
else:
    print('OOPS! You are not eligible to vote')
```

☐ Hey! You are eligible to vote

☐ OOPS! You are not eligible to vote

☐ Syntax Error: invalid syntax

☐ Invalid age

3) What is the output of the following code?1 point

```
def func():
```

Activate Windows

Go to Settings to activate Windows.

The Joy of Computing using Python

← → ↺ 🏠

🔍

https://onlinecourses.nptel.ac.in/noc20_cs83/unit?unit=37&assessment=294

☆

🌐 🛑 ⚙️ 🔄 📧 📺

🔖 🗂️ 👤 ⋮

Mayur Pai

Tu Phodega

Engineering Calcula...

Disney+ Hotstar

Social Media

Google

Torrents

Online Shopping

Speed Test

VTU Results

Web Development

Online Courses

>

Other favorites

ATTACHMENT ON HOW TO DEAL WITH numbers

Understanding if condition's working

Realizing the importance of syntax and indentation

Introductions to loops

Loops: Sum of numbers

Loops: Sum of numbers (continued)

Loops: Multiplication Tables

Introduction to While Loop

Programming Assignment 1: Printing a message

Programming Assignment 2: Currency Conversion

Programming Assignment 3: Profit or Loss

Quiz : Assignment 2

Week 2 Feedback Form : The Joy of Computing using Python

Week 3

Text Transcripts

Download Videos

Books

3) What is the output of the following code?

1 point

```
def func():  
    print()  
    c=10  
    i=0  
    while(i <=5):  
        j=1  
        while(j <=20):  
            print(' ',end=' ')  
            if(j >=10-i and j <=10+i):  
                print('*',end=" ")  
            else:  
                print(' ',end=" ")  
            j=j+1  
        print('\n')  
        i=i+1  
  
func()
```

⦿

```
*  
* *  
* * *  
* * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *  
* * * * *
```

○

```
      *  
    * * *  
  * * * * *
```

Activate Windows

Go to Settings to activate Windows.

The Joy of Computing using Pyth

+

←

→

↺

🏠

🔒

https://onlinecourses.nptel.ac.in/noc20_cs83/unit?unit=37&assessment=294

☆

🌐

🔴

⚙️

🔄

📧

👤

⋮

📖 Mayur Pai

📖 Tu Phodega

📖 Engineering Calcula...

📖 Disney+ Hotstar

📁 Social Media

📁 Google

📁 Torrents

📁 Online Shopping

📁 Speed Test

📁 VTU Results

📁 Web Development

📁 Online Courses

>

📁 Other favorites

4) With n as input, the code below computes

1 point

```
def mul(num):  
    if (num==1):  
        return (-1)  
    return (-1*mul(num-1))  
n=int(input("Enter the value of n"))  
print(mul(n))
```

☐ $-1 \times n$

☐ $-1 + n$

☐ $(-1)^n$

☐ $n^{(-1)}$

5) For the given code, what is the value of 'total' variable at the end of execution?

1 point

```
m1 = '98 '  
m2 = '79 '  
m3 = '87 '  
total = m1 + m2 + m3  
print(total)
```

☐ syntax error

☐ 264

☐ 988779

☐ 987987

6) Replace the given set of instructions with a for loop.

1 point

```
n=2  
print(n)  
n=n*2  
print(n)  
n=n*2
```

Activate Windows

Go to Settings to activate Windows.

The Joy of Computing using Pyth...

+

←

→

↺

🏠

🔒

https://onlinecourses.nptel.ac.in/noc20_cs83/unit?unit=37&assessment=294

☆

🌐

🔴

⚙️

🔄

📄

👤

...

Mayur Pai

Tu Phodega

Engineering Calcula...

Disney+ Hotstar

Social Media

Google

Torrents

Online Shopping

Speed Test

VTU Results

Web Development

Online Courses

>

Other favorites

6) Replace the given set of instructions with a for loop.

1 point

n=2

print(n)

n=n*2

print(n)

n=n*2

print(n)

n=n*2

print(n)

n=n*2

print(n)

☒ for i in range(1,6):
print(pow(2,i))

☐ for i in range(1,6):
print(pow(i,2))

☐ for i in range(1,6):
print(pow(2,i))

☐ for i in range(1,5):
print(pow(2,i))

7) Which of the following is the output for the given code?

1 point

n=5;print(n+5);print(n+5);print(n+5);print(n+5);

☒ 10 10 10 10

☐ 5 10 15 20

☐ 10

☐ 10

☐ 10

☐ 10

☐ 5

Activate Windows

Go to Settings to activate Windows.

The Joy of Computing using Pytho

+

←

→

↺

🏠

🔒

https://onlinecourses.nptel.ac.in/noc20_cs83/unit?unit=37&assessment=294

☆

🌐

🔴

⚙️

🔄

📄

👤

⋮

Mayur Pai

Tu Phodega

Engineering Calcula...

Disney+ Hotstar

Social Media

Google

Torrents

Online Shopping

Speed Test

VTU Results

Web Development

Online Courses

>

Other favorites

8) Identify the appropriate output.

1 point

```
name='Avani Chaturvedi!'
print('Hello!', name, 'How are you?')
print('Proud to meet you!')
```

☐ Hello! Avani Chaturvedi! How are you? Proud to meet you!

☐ Hello! Avani Chaturvedi!
How are you?
Proud to meet you!

☐ Hello!
Avani Chaturvedi!
How are you?
Proud to meet you!

☒ Hello! Avani Chaturvedi! How are you?
Proud to meet you!

9) What happens if we key in number 5 for the variable c in the below code?

1 point

```
c=1
while( c==1):
    print( 'hello ')
    c=int(input( 'Enter choice :0/1: '))
```

☐ Loop terminates

☐ Continues execution

☐ Program restarts execution

☐ None of the above

10) What is the output of the following code?

1 point

```
d=-20
while(d>0):
    print(d)
if(d<0):
    print(-1*d)
```

Activate Windows

Go to Settings to activate Windows.







The Joy of Computing using Python


+


← → ↺ 🏠


https://onlinecourses.nptel.ac.in/noc20_cs83/unit?unit=37&assessment=294


☆





...


 Mayur Pai


 Tu Phodega


 Engineering Calcula...


 Disney+ Hotstar


 Social Media


 Google


 Torrents

 Online Shopping


 Speed Test

 VTU Results

 Web Development

 Online Courses

>

 Other favorites

What are you proud to meet you!

☐ Hello!

Avani Chaturvedi!

How are you?

Proud to meet you!

☒ Hello! Avani Chaturvedi! How are you?

Proud to meet you!

9) What happens if we key in number 5 for the variable c in the below code? 1 point

```
c=1
while( c==1):
    print( 'hello ')
    c=int(input('Enter choice:0/1: '))
```

☐ Loop terminates

☐ Continues execution

☐ Program restarts execution

☐ None of the above

10) What is the output of the following code? 1 point

```
d=-20
while(d>0):
    print(d)
    if(d<0):
        print(-1*d)
```

☐ Infinite loop

☐ -20 20

☐ 20

☐ -20

You may submit any number of times before the due date. The final submission will be considered for grading.

Submit Answers

Activate Windows
Go to Settings to activate Windows.