

DAILY ONLINE ACTIVITIES SUMMARY

Date:	5-06-2020	Name:	ASHIKA
Sem & Sec	6 A	USN:	4AL17CS016
Online Test Summary			
Subject	OPERATION RESARCH		
Max. Marks	30	Score	30
Certification Course Summary			
Course	Python with data science		
Certificate Provider	Cognitive class	Duration	5 hour
Coding Challenges			
Problem Statement: 1. Write a Java program to implement Circular Linked List Using Array And Class 2. Python program to square each odd number in the list			
Status: done(executed)			
Uploaded the report in Github		yes	
If yes Repository name		https://github.com/ASHIKA-05/DAILY-REPORT	
Uploaded the report in slack		yes	

SUBJECT: OR

techgig.com/challenge/result/or/eGlvYWttUGg0UXMxSUZOdWxqbklOdZ09

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You have successfully participated in OR Test 3.

Rate this Test
Your Rating: ★★★★★ Click to Rate

Results Analytics

✓ OR
Your Score **30** / 30

CERTIFICATION COURSE

courses.cognitiveclass.ai/courses/course-v1:Cognitiveclass+PY0101EN+v2/courseware/76d637cbe8024e509dc445df847e6c3a/2d204ac4fa31...

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Lists and Tuples (8:46)

Tuples: Immutable

```
Ratings =(10, 9, 6, 5, 10, 8, 9, 6, 2)
Ratings1=Ratings
```

Names	Reference	Tuple
Ratings		(10, 9, 6, 5, 10, 8, 9, 6, 2)
Ratings1		

COGNITIVE CLASS

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We can use the "len" command to obtain the length of a tuple.
As there are 5 elements, the result is five.
Tuples are immutable, which means we can't change them.
To see why this is important, let's see what happens when we set the variable Ratings 1 to ratings.
Let's use the image to provide a simplified explanation of what's going on.
Each variable does not contain a tuple, but references the same immutable tuple object.
See the 'objects and classes' module for more about objects.
Let's say we want to change the element at index 2.
Because tuples are immutable, we can't.
Therefore, Ratings 1 will not be affected by a change in Rating because the tuple is immutable i.e., we can't change it.
We can assign a different tuple to the Ratings

courses.cognitiveclass.ai/courses/course-v1:Cognitiveclass+PY0101EN+v2/courseware/76d637cbe8024e509dc445df847e6c3a/2d204ac4fa3143048...

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☐ A[end]

✓

Note: Make sure you select all of the correct options—there may be more than one!

Submit You have used 2 of 2 attempts

QUESTION 2

1/1 point (ungraded)

>>Consider the list `B=["a","b","c"]`

what is the result of the following `B[1:]`

☐ []

☐ 'b'

☒ ['b', 'c'] ✓

1. Write a Java program to implement Circular Linked List Using Array And Class

```
public class CreateList {
```

```
    public class Node{
```

```
        int data;
```

```
        Node next;
```

```
        public Node(int data) {
```

```
            this.data = data;
```

```
        }
```

```
    }
```

```
    public Node head = null;
```

```
    public Node tail = null;
```

```
    public void add(int data){
```

```
        Node newNode = new Node(data);
```

```
        if(head == null) {
```

```
        head = newNode;

        tail = newNode;

        newNode.next = head;
    }

    else {

        tail.next = newNode;

        tail = newNode;

        tail.next = head;
    }
}

public void display() {

    Node current = head;

    if(head == null) {

        System.out.println("List is empty");
    }

    else {

        System.out.println("Nodes of the circular linked list: ");

        do{

            System.out.print(" "+ current.data);

            current = current.next;

        }while(current != head);

        System.out.println();
    }
}
```

```

public static void main(String[] args) {

    CreateList cl = new CreateList();

    cl.add(1);

    cl.add(2);

    cl.add(3);

    cl.add(4);

    cl.display();

}

}

```

Output:

The screenshot shows a web browser window with the URL `tutorialspoint.com/compile_java_online.php`. The page title is "Compile and Execute Java Online (JDK 1.8.0)". The interface includes tabs for "Execute", "Share", "Source File", and "STDIN". The "Execute" tab is active, displaying the source code of a Java program. The code defines a `CreateList` class with a `display` method and a `main` method. The `main` method creates a `CreateList` object, adds the numbers 1, 2, 3, and 4 to the list, and then calls `display`. The output window on the right shows the commands executed: `$javac CreateList.java` and `$java -Xmx128M -Xms16M CreateList`. The output of the program is: "Nodes of the circular linked list: 1 2 3 4".

```

21         tail.next = head;
22     }
23 }
24 public void display() {
25     Node current = head;
26     if(head == null) {
27         System.out.println("List is empty");
28     }
29     else {
30         System.out.println("Nodes of the circular linked list: ");
31         do{
32             System.out.print(" " + current.data);
33             current = current.next;
34         }while(current != head);
35         System.out.println();
36     }
37 }
38
39 public static void main(String[] args) {
40     CreateList cl = new CreateList();
41     cl.add(1);
42     cl.add(2);
43     cl.add(3);
44     cl.add(4);
45     cl.display();
46 }
47
48
49

```

Result

```

$javac CreateList.java
$java -Xmx128M -Xms16M CreateList
Nodes of the circular linked list:
1 2 3 4

```

2. Python program to square each odd number in the list

Description:

Take a list of numbers and square each odd number in the list. Print output as comma separated sequence.

eg:

input list: [2,4,5,6,7,8,9]

output: 25,49,81

```
L1=[2,4,5,6,7,8,9]
```

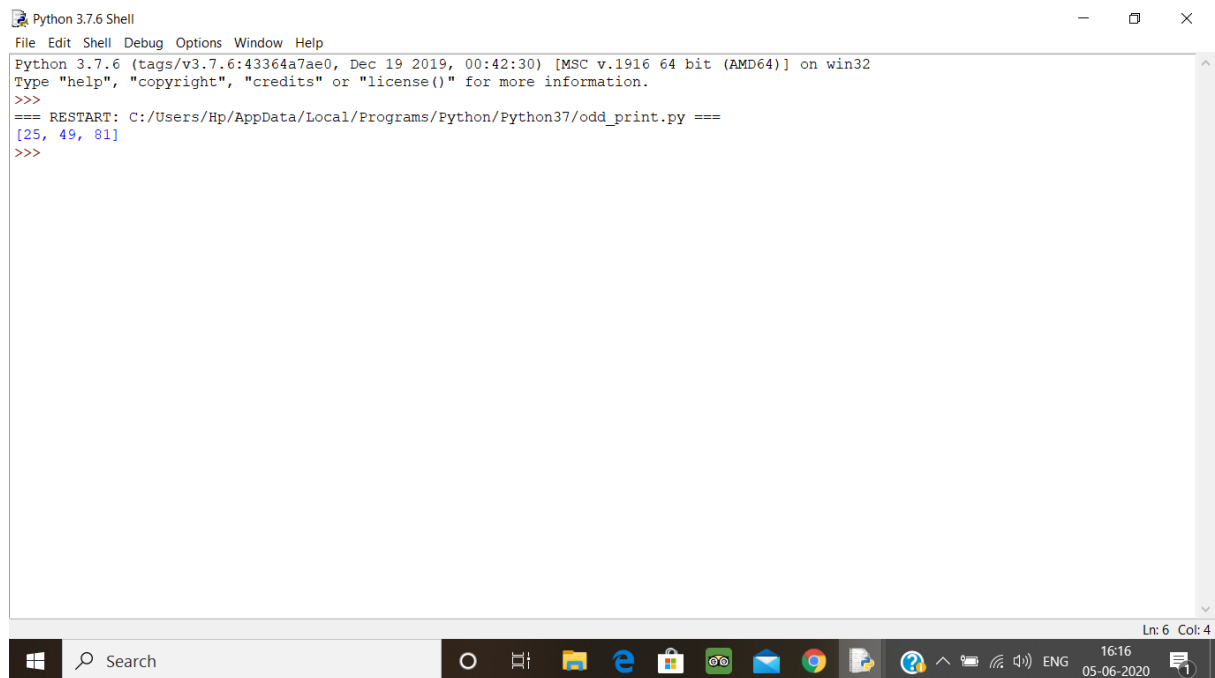
```
even_sq,odd_sq = [],[]
```

```
for i in L1:
```

```
    (even_sq if i%2==0 else odd_sq).append(i*i)
```

```
print(odd_sq)
```

output:



```
Python 3.7.6 Shell
File Edit Shell Debug Options Window Help
Python 3.7.6 (tags/v3.7.6:43364a7ae0, Dec 19 2019, 00:42:30) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:/Users/Hp/AppData/Local/Programs/Python/Python37/odd_print.py ===
[25, 49, 81]
>>>
```