WORKSHEET 2.4

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Subject Name: PROGRAMMING IN PYTHON LAB **Subject Code: 21CSP-259**

Aim:

Program to demonstrate creation and accessing of tuples and apply different kinds of operations on them.

Objective:

1. Write a Python program to replace last value of tuples in a list
2. Write a Python program to remove an empty tuple(s) from a list of tuples
3. Write a Python program calculate the product, multiplying all the numbers of a given tuple.
4. Write a Python program to convert a tuple of string values to a tuple of integer values
5. Write a Python program to check if a specified element presents in a tuple of tuples

Source Code:

1.

```
list = [(1, 2), (3, 4, 5), (6, 7, 8, 9)]
n_list = []
for i in list:
    tup = i[:-1] + (718,)
    n_list.append(tup)
print(n_list)
```

2.

```
list = [(1, 2, 3), (), (4), (), (), (5, 6)]
new = [tup for tup in list if tup]
print(new)
```

3.

```
tup = (7,1,8)
prod = 1
for i in tup:
    prod *= i
print(prod)
```

4.

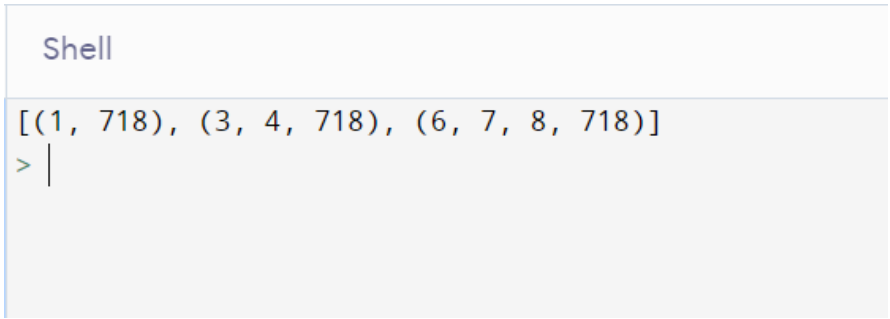
```
s_tup = ('1','2','5','718')
i_tup=()
i_list=[]
for i in s_tup:
    temp=int(i)
    i_list.append(temp)
i_tup = (i_list)
print(i_tup)
```

5.

```
tup = ('Python', "marks", 'Worksheet', 'abc')
i=input("Enter element: ")
if(i in tup):
    print("Element is present")
else:
    print("Element is not present")
```

Screenshot of Outputs:

1.



2.

Shell

```
[(1, 2, 3), 4, (5, 6)]
>
```

3.

Shell

```
56
>
```

4.

Shell

```
[1, 2, 5, 718]
>
```

5.

Shell

```
Enter element: abc
Element is present
>
```