

ASSIGNMENT-3

finding out arithmetic operators which are not applicable for complex numbers.

```
main.py  [Icons] [Share] [Run] [Clear]
1 a=4+2j
2 b=1+5j
3 print(a+b)
4 print(a-b)
5 print(a*b)
6 print(a/b)
7 print(a//b)
8 print(a**b)
9 print(a%b)

(5+7j)
(3-3j)
(-6+22j)
(0.5384615384615384-0.6923076923076923j)
ERROR!
Traceback (most recent call last):
  File "<main.py>", line 7, in <module>
TypeError: unsupported operand type(s) for //: 'complex' and 'complex'

=== Code Exited With Errors ===
```

```
main.py  [Icons] [Share] [Run] [Clear]
1 str1='hello'
2 str2='hihi'
3 print(str1+str2)
4 print(str1*)
5 #print(str1-str2)#invalid operations
6 #print(str1/str2)#invalid operations
7 #print(str1//str2)#invalid operations
8 #print(str1**str2)#invalid operations
9 #print(str1%str2)#invalid operations

hellohihi
hellohellohellohellohellohello
=== Code Execution Successful ===
```

```
main.py  [Icons] [Share] [Run] [Clear]
1 t1=(2,7,9)
2 t2=(4,8,9,10)
3 print(t1+t2)
4 print(t1*t2)
5 #print(t1-t2)#invalid operations
6 #print(t1/str2)#invalid operations
7 #print(t1//t2)#invalid operations
8 #print(t1**t2)#invalid operations
9 #print(t1%t2)#invalid operations

(2, 7, 9, 4, 8, 9, 10)
(2, 7, 9, 2, 7, 9)
=== Code Execution Successful ===
```

```
main.py  [Icons] [Share] [Run] [Clear]
1 dict1={'ram'}
2 dict2={'sia'}
3 #print(dict1+dict2)#invalid operations
4 #print(dict1-dict2)#invalid operations
5 #print(dict1*dict2)#invalid operations
6 #print(dict1/dict2)#invalid operations
7 #print(dict1//dict2)#invalid operations
8 #print(dict1**dict2)#invalid operations
9 #print(dict1%dict2)#invalid operations

ERROR!
Traceback (most recent call last):
  File "<main.py>", line 3, in <module>
TypeError: unsupported operand type(s) for +: 'dict' and 'dict'

=== Code Exited With Errors ===
```

```
main.py  [Icons] [Share] [Run] [Clear]
1 l1=[1,4,7,8]
2 l2=[2,7,9,10,'sita']
3 print(l1+l2)
4 print(l1*t2)
5 #print(l1-l2)#invalid operations
6 #print(l1/str2)#invalid operations
7 #print(l1//l2)#invalid operations
8 #print(l1**l2)#invalid operations
9 #print(l1%l2)#invalid operations

[1, 4, 7, 8, 2, 7, 9, 10, 'sita']
[1, 4, 7, 8, 1, 4, 7, 8]
=== Code Execution Successful ===
```