prasanna.ipynb

File Edit View Insert Runtime Tools Help

Commands + Code + Text

```python
#practical 11
a = {34, 37, 23, 78, 56}
b = {78, 54, 98, 97, 96}
c =a|b
print("seta",a)
print("setb",b)
print("UNION",c)
z = a & b
print("seta",a)
print("setb",b)
print("INTERSECTION" ,z)
d = a - b
print("seta",a)
print("setb",b)
print("DIFFERENCE A-B",d)
x = b - a
print("seta",a)
print("setb",b)
print("DIFFERENCE B -A", x)
y = a ^ b
print("seta",a)
print("setb",b)
print("SYMMETRIC_DIFFERENCE", y)
```

prasanna.ipynb

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```python
my_dict = {#practcal 12
    "name": "Prasanna",
    "age": 17,
    "city": "Jamner"
}
print(my_dict)
print(my_dict["name"])

my_dict["age"] = 26
print(my_dict["age"])

del my_dict["city"]

for key, value in my_dict.items():
    print(f"{key}: {value}")

    keys = ["name", "age", "city"]
values = ["prasanna","17","jamner"]
my_dict = dict(zip(keys, values))
print(my_dict)
```

```
{'name': 'Prasanna', 'age': 17, 'city': 'Jamner'}
Prasanna
26
name: Prasanna
age: 26
{'name': 'prasanna', 'age': '17', 'city': 'jamner'}
```

prasanna.ipynb

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```
seta {34, 37, 23, 56, 78}
setb {96, 97, 98, 54, 78}
UNION {96, 97, 34, 98, 37, 78, 54, 23, 56}
seta {34, 37, 23, 56, 78}
setb {96, 97, 98, 54, 78}
INTERSECTION {78}
seta {34, 37, 23, 56, 78}
setb {96, 97, 98, 54, 78}
DIFFERENCE A-B {56, 34, 37, 23}
seta {34, 37, 23, 56, 78}
setb {96, 97, 98, 54, 78}
DIFFERENCE B -A {96, 97, 98, 54}
seta {34, 37, 23, 56, 78}
setb {96, 97, 98, 54, 78}
SYMMETRIC_DIFFERENCE {23, 96, 97, 98, 34, 37, 54, 56}
```

prasanna.ipynb

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Commands + Code + Text

```
def abc(a):

    print("hello",a)
abc("prasanna")



def fun_with_args(a,b):
    return a+b
result=fun_with_args(10,30)
print(result)



def fun_without_args():
    print("function without argument")
fun_without_args()
```

```
hello prasanna
40
function without argument
```

prasanna.ipynb

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Commands + Code + Text

```
#practical 14
def student_details (name, age):
    print(f"Student Name: {name}, age: {age}")
def employee_details(name, salary):
    print(F"Employee name: {name}, salary: {salary}")
def greet(name="Guest"):
    print(f"Hello, {name}!")
def sum_numbers(*numbers):
    total = sum(numbers)
    print(f"sum of numbers: {total}")
student_details("prasanna", 17)
employee_details(name="prasnna", salary=40000)
greet()
greet("saurabh")
sum_numbers (10,20,30,40,50)
```

```
Student Name: prasanna, age: 17
Employee name: prasnna, salary: 40000
Hello, Guest!
Hello, saurabh!
sum of numbers: 150
```

prasanna.ipynb

Saving...

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Commands + Code + Text

```python
#practical 15
square = lambda x: x ** 2
print(square(4))

numbers = [1, 2, 3, 4, 5]
squared_numbers = list(map(lambda x: x ** 2, numbers))
print(squared_numbers)

from functools import reduce

numbers = [1, 2, 3, 4, 5]
product = reduce(lambda x, y: x * y, numbers)
print(product)
```

```
16
[1, 4, 9, 16, 25]
120
```

pr.py | prasanna.py

prasanna.py > ...

```python
def add(a,b):
    print(a+b)
def sub(a,b):
    print(a-b)
def mul(a,b):
    print(a*b)
def div(a,b):
    print(a/b)

```

pr.py | prasanna.py

pr.py

```python
from prasanna import *
print(add(80,20))
print(sub(80,20))
print(mul(80,20))
print(div(80,20))
```

PROBLEMS 1 | OUTPUT | DEBUG CONSOLE | TERMINAL | PORTS | SPELL CHECKER 1 | AZURE

```
[Running] python -u "c:\Users\prasa\Desktop\pr.py"
100
None
60
None
1600
None
4.0
None

[Done] exited with code=0 in 0.068 seconds
```