Python Assignment ==> 19-08-25

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1)Python program to find the largest number in given two numbers:

```python
A,B=map(int,input("Enter two numbers: ").split(','))
if A>B:
    print("A is greater than B")
elif B>A:
    print("B is greater than A")
else:
    print("Both are equal")
```

```
Enter two numbers: 1233,154
A is greater than B

=== Code Execution Successful ===
```

2) Python program to find the largest number in given three numbers:

```python
A,B,C=map(int,input("Enter three numbers: ").split(','))
if A!=B and A!=C and B!=C:
    if A>B and A>C:
        print("A is greater than B & C")
    elif B>A and B>C:
        print("B is greater than A & C")
    elif C>A and C>B:
        print("C is greater than both A & B")
elif A!=B and B==C:
    if A>B:
        print("A is greater than (B & C), B and C are Eqaul")
    else:
        print("Both (B & C) are greater than A")
elif A==B and B!=C:
    if C>A:
        print("C is greater than (B & A), A and B are Eqaul")
    else:
        print("Both (A & B) are greater than C")
elif A==C and B!=C:
    if B>A:
        print("B is greater than (A & C), A and C are Eqaul")
    else:
        print("Both (A & C) are greater than B")
else:
    print("All three numbers are equal")
```

```
Enter three numbers: 10,10,10
All three numbers are equal

=== Code Execution Successful ===
```

```
Enter three numbers: 10,10,4
Both (A & B) are greater than C
```
i)

```
Enter three numbers: 10,20,30
C is greater than both A & B
```
ii)

```
Enter three numbers: 10,20,10
B is greater than (A & C), A and C are Eqaul
```
iii)

3) Python program to find the number is prime or not:

```
main.py                                    Share   Run          Output
1  n=int(input("Enter a number: "))                             Enter a number: 4
2  c=0                                                            not a Prime number
3  if n<=1:
4      print("Not a prime number")                              === Code Execution Successful ===
5  elif n>=2:
6      for i in range(1, n+1):
7          if n%i==0:
8              c+=1
9      if c>2:
10          print(" not a Prime number")
11      else:
12          print("prime number")
13
```

4) Python program to print list of prime numbers in a given range:

```
1  n = int(input("Enter a number: "))                           Enter a number: 8
2  for i in range(2, n + 1):                                     2 3 5 7
3      count = 0                                                 === Code Execution Successful ===
4      for j in range(1, i + 1):
5          if i % j == 0:
6              count += 1
7      if count == 2:
8          print(i,end=" ")
```

5) Python program to check leap year or not:

```
1  n = int(input("Enter a year: "))                             Enter a year: 100
2  if n%4==0 and n%100!=0 or n%400==0:                           not a leap year
3      print("Leap year")
4  else:                                                         === Code Execution Successful ===
5      print("not a leap year")
```