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**Python Assignment on SET**

1. Write a Python program to add member(s) in a set
2. Write a Python program to create an intersection of sets
3. Write a Python program to find the length of a set
4. Write a Python program to check if a given value is present in a set or not.
5. Write a Python program to check if two given sets have no elements in common.
6. Write a Python program to check if a given set is superset of itself and superset of another given set
7. Write a Python program to find the elements in a given set that are not in another set.
8. Write a Python program to check a given set has no elements in common with other given set.

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1. Write a Python program to remove the intersection of a 2nd set from the 1st set.
2. Update set1 by adding items from set2, except common items

ANS:-

1)

A={10,20,30}

A.add(40)

print(A)

2)

a={10,20,30,40}

b={20,40}

print(a.intersection(b))

3)

a={10,20,30,40}

print(len(a))

4)

a={10,20,30,40}

print(30 in a)

print(56 in a)

5)

a={10,20,30,40}

b={50,60,70,80}

c={10,20}

print(a.isdisjoint(b))

print(a.isdisjoint(c))

6)

a={10,20,30,40}

b={10,20}

print(a.issuperset(b))

print(a.issuperset(a))

7)

a={10,20,30}

b={10,20}

c=(a-b)

print(c)

11)

a={10,20,30}

b={10,20}

a.update(b)

print(a)

10)

a={10,20,30}

b={10,20}

a.difference\_update(b)

print(a)