

```

t=(input("Name :"))
r=int(input("Roll no. : "))
print("Union with repetition")

list1=[1,2,3,4,5,6]
print("First list is:",list1)
list2=[2,4,6,8,10,12]
print("Second list is:",list2)
newList=[]
newList.extend(list1)
for element in list2:
    newList.append(element)
print("Union of the lists is:",newList)

print("Union without repetition")

set1=[1,2,3,4,5,6]
print("First list is:",set1)
set2=[2,4,6,8,10,12]
print("Second list is:",set2)
newSet=[]
newSet.extend(set1)
for element in set2:
    if element not in set1:
        newSet.append(element)
print("Union of the lists is:",newSet)

```

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Name :Sanket Ananda Kamble
Roll no. : 21212015
Union with repetition
First list is: [1, 2, 3, 4, 5, 6]
Second list is: [2, 4, 6, 8, 10, 12]
Union of the lists is: [1, 2, 3, 4, 5, 6, 2, 4, 6, 8, 10, 12]
Union without repetition
First list is: [1, 2, 3, 4, 5, 6]
Second list is: [2, 4, 6, 8, 10, 12]
Union of the lists is: [1, 2, 3, 4, 5, 6, 8, 10, 12]

```