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```
#program to remove duplicate elements in list
```

```
list=set([1,2,56,"sandeep",1,25,56])
```

```
print(list)
```

output:

```
{1, 2, 'sandeep', 56, 25}
```

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```
#program to find who are not placed
```

```
students={"vamsi","nagendra","jagadeesh","bhanu","sandeep"}
```

```
placed={"vamsi","bhanu","nagendra"}
```

```
print("students who are not palced is ",students.difference(placed))
```

output:

```
students who are not palced is {'sandeep', 'jagadeesh'}
```

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```
#program to find all rounders
```

```
batsman=set(["jadega","pandya","panth","surya","kohli","dhoni"])
```

```
bowlers=set(["chahal","bumrah","bhuvi","jadega","pandya"])
```

```
print("all rounders are ",batsman.intersection(bowlers))
```

output:

```
all rounders are {'jadega', 'pandya'}
```

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```
#program to count numbers of placed students
```

```
tcs={"a","b","c","d"}
wipro={"a","b","e"}
infosys={"a","f","g"}
placed =tcs | wipro | infosys
print(placed)
count=list(placed)
print("the total number of students placed are ",len(count))
```

output:

```
{'e', 'f', 'b', 'c', 'd', 'g', 'a'}
the total number of students placed are 7
'''
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```

#program to print capital of a country

```
d={"india":"delhi","australia":"camberra","bangladesh":"dakha","china":"beijing"}
for i in range(0,len(d)):
    s=input("enter country name")
    s=s.lower()
    if(s in d):
        print(d[s])
    else:
        continue
```

output:

```
enter country nameINDIA
delhi
enter country nameUSA
```

enter country nameAUSTRALIA

camberra

enter country nameCHINA

beijing

'''

'''

#program to find the frequency of characters in string

s="sandeep"

a={}

for i in s:

 for j in i:

 if j in a:

 a[j]+=1

 else:

 a[j]=1

print(a)

output:{'s': 1, 'a': 1, 'n': 1, 'd': 1, 'e': 2, 'p': 1}

'''