

SECTION 1:

1.

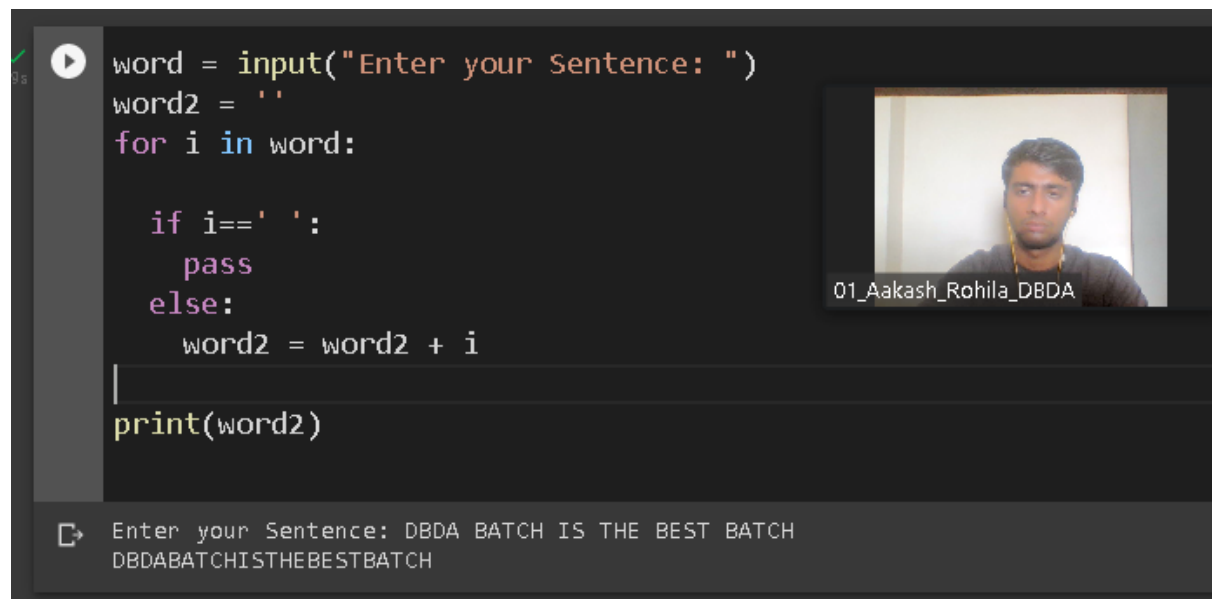
CODE:

```
word = input("Enter your Sentence: ")
word2 = ''
for i in word:

    if i==' ':
        pass
    else:
        word2 = word2 + i

print(word2)
```

OUTPUT:



```
word = input("Enter your Sentence: ")
word2 = ''
for i in word:

    if i==' ':
        pass
    else:
        word2 = word2 + i

print(word2)
```

Enter your Sentence: DBDA BATCH IS THE BEST BATCH
DBDABATCHISTHEBESTBATCH

2.

CODE:

```
flow = input("Enter your string value: ")
flow2 = ''

for i in flow:

    if i in [',', '.', ' ']:
        pass

    else:
        flow2 = flow2 + i

flow2 = flow2.split()

flow3 = []
for i in flow2:

    if i not in flow3:
        flow3 = flow3 + [i]

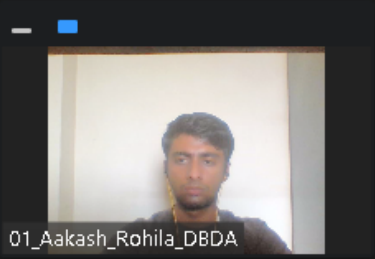
for i in flow3:
    x = flow2.count(i)
    print(i,": ",x)
```

OUTPUT:

```
for i in flow2:

    if i not in flow3:
        flow3 = flow3 + [i]

for i in flow3:
    x = flow2.count(i)
    print(i,": ",x)
```



Enter your string value: CDAC MUMBAI, IS THE BEST CDAC INSTITUTE IN MUMBAI REGION.
CDAC : 2
MUMBAI : 2
IS : 1
THE : 1
BEST : 1
INSTITUTE : 1
IN : 1
REGION : 1

4.

CODE:

```
word = input("Enter your string:")
word2 = []

for i in word:
    if i not in word2:
        word2 = word2 + [i]

word2 = "".join(word2)


print(word2)
```

Output:

```
if i not in word2:
    word2 = word2 + [i]

word2 = "".join(word2)

print(word2)
```



Enter your string:ABSSBDDDDDAESR
ABS DER

6.

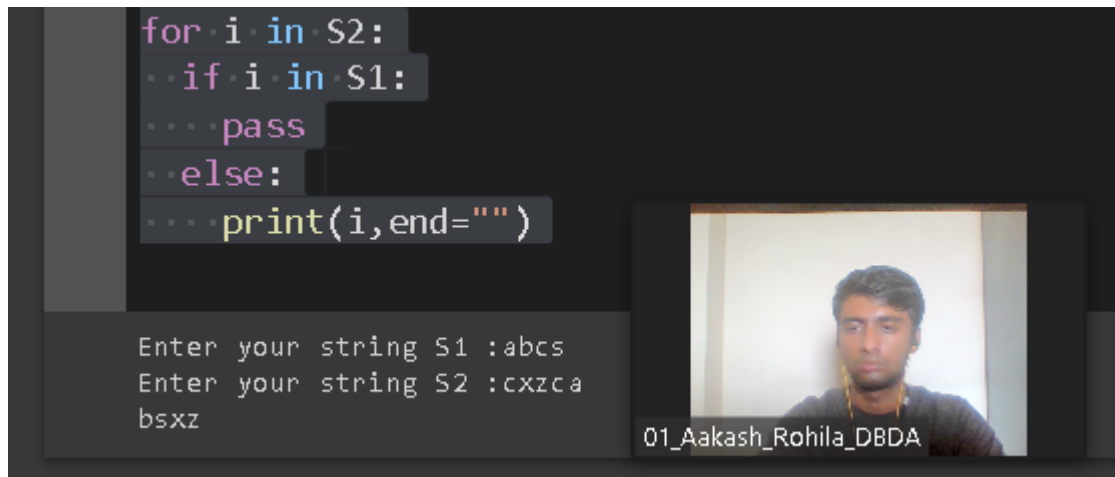
CODE:

```
S1 = input("Enter your string S1 :")
S2 = input("Enter your string S2 :")

for i in S1:
    if i in S2:
        pass
    else:
        print(i,end=" ")

for i in S2:
    if i in S1:
        pass
    else:
        print(i,end=" ")
```

Output:



```
for i in S2:
    if i in S1:
        pass
    else:
        print(i,end=" ")
```

Enter your string S1 :abcs
Enter your string S2 :cxzca
bsxz

01_Aakash_Rohila_DBDA

SECTION 2:

CODE:

```
class Person:

    def __init__(self, initialAge):

        if initialAge < 0:
            print("Age is not valid, setting age to 0")
            self.age = 0

        else:
            self.age = initialAge

    def yearPasses(self):
        self.age += 1

    def amIOld(self):

        if self.age < 13:
            print("You are young.")

        elif self.age >= 13 and self.age < 18:
            print("You are a teenager.")

        else:
            print("You are old.")
```

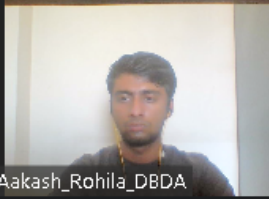
OUTPUT:

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
```

▶

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
```

Enter your age : 4



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▶

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
```

Enter your age : -1
Age is not valid, setting age to 0




01_Aakash_Rohila_DBDA

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
p.amIOld()
```

▶

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
p.amIOld()
```

Enter your age : 10
You are young.




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▶

```
[36] your_age = int(input("Enter your age : "))
p = Person(your_age)
p.amIOld()
```

Enter your age : 16
You are a teenager.




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▶

```
[37] your_age = int(input("Enter your age : "))
p = Person(your_age)
p.amIOld()
```

Enter your age : 18
You are old.



01_Aakash_Rohila_DBDA

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
print("Before age :",p.age)
p.yearPasses()
print("After Year Passes :",p.age)
```

✓
3s

▶

```
your_age = int(input("Enter your age : "))
p = Person(your_age)
print("Before age :",p.age)
p.yearPasses()
print("After Year Passes :",p.age)
```

📄

```
Enter your age : 21
Before age : 21
After Year Passes : 22
```



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