```
In [48]: #I will be given an input and I have to check the number of times vowels came in my sentence.
         s=input("Give me a sentence: ")
         vowel=["A", "a", "E", "e", "I", "i", "O", "o", "U", "u"]
         count=0
         for i in s:
             if i in vowel:
                 print(i)
                 count+=1
         print("Number of vowels:", count)
```

```
Give me a sentence: Arsh Saxena
A
a
e
a
Number of vowels: 4
```

```
In [47]: #I will be given an input and I have to check the number of times consonents came in my sentence.
         s=input("Give me a sentence: ")
         vowel=["A", "a", "E", "e", "I", "i", "O", "o", "U", "u"]
         count=0
         for i in s:
             if i not in vowel:
                 print(i)
                 count+=1
         print("Number of consonents:", count)
```

```
Give me a sentence: Arsh Saxena
r
s
h

S
x
n
Number of consonents: 7
```

```
In [21]: a="hey there"
         a.split()
```

Out[21]: ['hey', 'there']

```
In [24]: id("arsh"+"_"+"saxena")==id("arsh_saxena")
```

Out[24]: True

```
In [25]: h=5
         n=5
         h==n
```

Out[25]: True

```
In [32]:
```

Out[32]: False

```
In [29]: #== checks for value.
         #is checks memory location.
```

```
In [30]: id(h)
```

Out[30]: 140728029389328

```
In [31]: id(n)
```

Out[31]: 140728029389328

```
In [36]: a=14214
         b=14214
```

```
In [37]: id(a)
```

Out[37]: 169273087568

```
In [38]: id(b)
```
Out[38]: 169273087600

```
In [39]: a==b
```
Out[39]: True

```
In [40]: a is b
```
Out[40]: False