```python
#represents comments
print("Hello,world")
```

        Hello,world

```python
A=("Hello, World?")
# A is a variable
print(A)
```

        Hello, World?

```python
B=1
#here B is a variable
print(B)
```

        1

```python
    #VARIABLES    #x and y variables
X=5
y="mohan" #mohan is string
print(X)
print(y)
```

        5
        mohan

```python
# many values to multiple variables
X,y,z=1,"b","c"
print(X)
print(y)
print(z)
```

        1
        b
        c

```python
# one value to multiple variable
x=y=z=1
print(x)
print(z)
```

        1
        1

```python
#    OUT VARIABLES

X='mohan'
print("yadav"+X)
```

```python
#adding of two numbers, not adding one string and one integer
```

```
X=2
Y=1
H=X+Y
print(H)

        yadavmohan
        3



        #DATA TYPES
A=input()
print(type(A)) #input always string

        1
        <class 'str'>


A=1
type(A)

        int


A=int(input())
type(A)

        5
        int


X=["1", "2","3","4","5","6"]
type(X)

        list


X=3+5j
type(X)

        complex



        #TYPE CONVERSATION

X=1      # 1 is a integer
Y=1.5    #1.5 is a float
A=float(X)
B=int(Y)
print(A)
print(B)       # 1-5j is a complexa

        1.0
        1


     # STRING

DATA=("MOHAN*yadav,!")
```

```python
print(DATA[12])
#[] represents square brackets
#[ ] is index value

        !


        #for loop
for i in "CHIRU":# here i =C, i=H
    print(i)

        C
        H
        I
        R
        U


A="agsnsnns4"
print(len(A))

        9


a=input()
print(a[2:5])

        Mohanyadav
        han


A=input()
print(A[1:])

        Gsjskksksjsjsjs
        sjskksksjsjsjs


A=input()
print(A[ :4])

        Sghsnsmskksk
        Sghs


Data=input()
print(Data[-5:-4])

        Sfghhjjj
        h


DATA=input()
B=list(DATA)
print(len(B))

        Babmmsmamakwkwkwkkwkw
        21
```

```
a=7
b=10
if b>a:
    print("b is greater than a")
elif a==b:
    print(" a is equal to b")
else:
    print("a is greater than b")
```

    b is greater than a

```
fruits = ["apple", "banana", "cherry"]
for x in fruits:
  if x == "banana":

    print(x)
```

    banana

```
---------------------------------------------------------------------
-----------
AttributeError                              Traceback (most recent
call last)
<ipython-input-21-5ebad6578abd> in <module>()
----> 1 Seeds=("badam","flax","lemon"). Split(", ")
      2 B=list(Seeds)
      3
      4 print(B)
      5 #for i in range (B):

AttributeError: 'tuple' object has no attribute 'Split'
```