

In [2]: #1

```
print(0.1+0.2)
print("1.8"+"2")
print(87>78)
print((0.1+0.2)==0.3)
print("predict" "output", ".....")
```

0.30000000000000004

1.82

True

False

predictoutput .....

In [1]:

ln [5]: #2

```
print("prints", "multiple", "messages\n")
print("concatenate "+" two strings\n")
print(5+6+"adds two numbers\n")
```

prints multiple messages

concatenate two strings

**TypeError**

-----  
Traceback (most recent call last)

```
<ipython-input-5-a255a0b73755> in <module>
      2 print("prints", "multiple", "messages\n")
      3 print("concatenate "+" two strings\n")
----> 4 print(5+6+"adds two numbers\n")
      5
```

**TypeError:** unsupported operand type(s) for +: 'int' and 'str'

In [10]: #3

```
print(("ba")+("na")*2)  
print(r"c:\naresh\raju\abhi")
```

banana

c:\naresh\raju\abhi

In [ ]:

banana

c:\naresh\raju\abhi

In [22]: #4

```
"Welcome to Python training program"[-4:-33:-4]
```

Out[22]: 'g anytow'

In [ ]:

```
In [1]: #5
print("A series of characters designated as one object known as string"[::-1][4::3])
print("-----")
print("welcome to python training program"[3:10][::-1])

tsnntj oaens eahfsr
-----
ot emoc
```

```
In [ ]:
```

In [2]:

```
#6 a  
str1=True  
x=5>3  
print(str1==x)  
y=5>8  
print(str==y)
```

True

False

In [3]: #6 b

num=7

Name="Michael Jackson"

sear\_num=Name.find('el')

print(num>sear\_num)

True

In [ ]: |



In [5]: #7

```
inp="was it a car or a cat I saw"  
out=inp.upper()  
print(out[::-1])
```

WAS I TAC A RO RAC A TI SAW

In [ ]:

In [ ]:



In [1]:

```
#8  
inp=input("Enter integer value")  
out=inp[1:7:2]  
print(out)
```

Enter integer value1934567  
946

In [ ]:

```
In [2]: #9
fake_phrase="Fake news has a Knack for Spreading like wildfire".upper()
out=fake_phrase[-9::-1]
out.split()
```

```
Out[2]: ['EKIL', 'GNIDAEPPS', 'ROF', 'KCANK', 'A', 'SAH', 'SWEN', 'EKA']
```

```
In [ ]:
```

## 10

msg1="Facebook already uses AI to Filter Fake stories from the feeds of users out=msg.split()

In [3]:

```
#!/0
msg1="Facebook already uses AI to Filter Fake stories from the feeds of users"
out=msg1.split()
print(out)
```

('Facebook', 'already', 'uses', 'AI', 'to', 'Filter', 'Fake', 'stories', 'from', 'the', 'feeds', 'of', 'users')

In [ ]:

In [ ]:

```
In [6]: #  
msg2="Welcome to sr engineering college"  
x=msg2.count('o')  
y=msg2.count('r')  
msg2[y**x:(x**y+x+y):][::-1]
```

```
Out[6]: ' rs ot'
```

```
In [ ]:
```

```
In [1]: #12 a
num1,num2="94","30"
data="As per census 2011,Gender ratio of India is 943 females per 1000 males"
num1+num2[0] in data
```

Out[1]: True

```
In [3]: #12 b
print(data[45],print(int(num1)+int(num2)))
124
As per census 2011,Gender ratio of India is 9 None
```

In ( ):

In [11]: #1

```
M=int(input("Enter the amount of water in kg"))
i=int(input("enter initial temp"))
f=int(input("enter final temp"))
Q=M*(f-i)*4184
Q
```

```
Enter the amount of water in kg100
enter initial temp19
enter final temp78
```

Out[11]: 24685600

515

In [19]:

```
#14
x=int(input("Enter x"))
y=2*x
z=('z'*x)+('o'*y)
z
```

Enter x5

Out[19]: 'zzzzzoooooooooooo'

In [ ]:



In [17]:

```
#15
x=int(input("Enter first integer"))
y=int(input("Enter second integer"))
pow=(x*y)
print(pow)
div=int(pow/(x*y))
print(div)
print(div ^ (x+y))
```

```
Enter first integer5
Enter second integer6
15625
520
515
```