In [14]:
```
x=5          Q1 solution
```

In [15]:
```
y='john'
```

In [16]:
```
print(x)
```

```
5
```

In [17]:
```
print(y)
```

```
john
```

In [18]:
```
3a=10    Q 2 solution
```

```
  File "C:\Users\pc17\AppData\Local\Temp\ipykernel_11740\790488211.py", line 1
    3a=10
     ^
SyntaxError: invalid syntax
```

In [19]:
```
@abc=10
```

```
  File "C:\Users\pc17\AppData\Local\Temp\ipykernel_11740\3659460396.py", line 1
    @abc=10
     ^
SyntaxError: invalid syntax
```

In [20]:
```
100=100
```

```
  File "C:\Users\pc17\AppData\Local\Temp\ipykernel_11740\2591657416.py", line 1
    100=100
    ^
SyntaxError: cannot assign to literal
```

In [21]:
```
_a984_=100 # valid syntax
```

In [22]:
```
a9967$=100
```

```
  File "C:\Users\pc17\AppData\Local\Temp\ipykernel_11740\1339110832.py", line 1
    a9967$=100
     ^
SyntaxError: invalid syntax
```

In [23]:
```
xyz-2=100
```

```
  File "C:\Users\pc17\AppData\Local\Temp\ipykernel_11740\2214169975.py", line 1
    xyz-2=100
    ^
SyntaxError: cannot assign to operator
```

In [24]:
```
list=test_list =[1,6,3,5,3,4]   Q3 Solution
```

In [25]:
```
count=0
for x in list:
    if (x==3):
        count = count + 1

if (count>0):
    print("3 exists")
else:
    print("3 doest not exists")
```

```
3 exists
```

In [26]:
```
count=0
for x in list:
    if(x==9):
        count = count + 1
if (count>0):
    print("9 exists")
else:
    print("9 does not exists")
```

```
9 does not exists
```

In [27]:
```
# Import date class from datetime module    Q 4 Solution
from datetime import date

# Returns the current local date
today = date.today()
print("Today date is: ", today)
```

```
Today date is:  2023-02-23
```

In [28]:
```
9//2     Q5 Solution
```

Out[28]:
```
4
```

In [29]:
```
9%2
```

Out[29]:
```
1
```

In [30]:
```
i=1
while i <= 10:
    print(i)        Q 6 Solution
    i += 1
```

```
1
2
3
4
5
6
7
8
9
10
```

In [31]:
```
num=int(input('Enter a number'))     Q 7 Solution
i=1
sum=0

for i in range(1,num+1):

    sum=sum+i

print('sum=',sum)
```

```
Enter a number10
sum= 55
```

In [32]:
```
for fizzbuzz in range(51):
    if fizzbuzz % 3 == 0 and fizzbuzz % 5 == 0:    Q 8 Solution
        print("fizzbuzz")
        continue
    elif fizzbuzz % 3 == 0:
        print("fizz")
        continue
    elif fizzbuzz % 5 == 0:
        print("buzz")
        continue
    print(fizzbuzz)
```

fizzbuzz
1
2
fizz
4
buzz
fizz
7
8
fizz
buzz
11
fizz
13
14
fizzbuzz
16
17
fizz
19
buzz
fizz
22
23
fizz
buzz
26
fizz
28
29
fizzbuzz
31
32
fizz
34
buzz
fizz
37
38
fizz
buzz
41
fizz
43
44
fizzbuzz
46
47
fizz
49
buzz
In [ ]: