Practice 1

```python
mynames=['Joe', 'Zoe', 'world', 'Brad', 'Angeline', 'world', 'Zuki', 'Tom',
         'Paris', 'world', 'magic']
for i in range(0,11):
    if(mynames[i]=="USA"):
        print("TRUE")
        break
    elif(i==10):
        print("FALSE")
        break
```

FALSE

Practice 2

```python
count=0
for item in mynames:
    if(item=="world"):
        count+=1
print(count)
```

3

Practice 3

```python
dataset=list(range(1,30))
even=0
odd=0
for item in dataset:
    if(item%2==0):
        even+=1
    else:
        odd+=1
print(even,odd)
```

14 15

Practice 4

In [4]:

```python
even_list=[]
for item in dataset:
    if(item%2==0):
        even_list.append(item)
        if(len(even_list)==5):
            print(even_list)
            break
```

[2, 4, 6, 8, 10]

Practice 5

In [6]:

```python
for i in range(len(dataset)-2,22,-2):
    if(dataset[i]%2==0):
        print(dataset[i])
print("Last three even numbers")
```

28
26
24
Last three even numbers

Practice 6

In [7]:

```python
x=[1]
y=[2,3]
for i in range(0,5):
    val=int(input("= "))
    x.append(val)
    y.append(val)
x.extend(y)
name=input("Enter string = ")
x.insert(0,name)
print("x -> ",x)
print("y -> ",y)
```

= 13
= 18
= 24
= 111
= 108
Enter string = Praveen
x -> ['Praveen', 1, 13, 18, 24, 111, 108, 2, 3, 13, 18, 24, 111, 108]
y -> [2, 3, 13, 18, 24, 111, 108]

Practice 7

```python
squares=[]
for i in range(1,40):
    if(i in range(1,10) or (i in range(30,40))):
        squares.append(i**2)

print(squares)
```

```
[1, 4, 9, 16, 25, 36, 49, 64, 81, 900, 961, 1024, 1089, 1156, 1225, 1296, 13
69, 1444, 1521]
```

Practice 8

```python
number=int(input("Enter the number = "))
for i in range(1,11):
    print(number,"x",i,"=",number*i)
```

```
Enter the number = 13
13 x 1 = 13
13 x 2 = 26
13 x 3 = 39
13 x 4 = 52
13 x 5 = 65
13 x 6 = 78
13 x 7 = 91
13 x 8 = 104
13 x 9 = 117
13 x 10 = 130
```