Program :-

```
tuple1 = (1,2,3,4,5,6,7,8,9)
print(tuple1)
odd=[]
even=[]
l=list(tuple1)
for i in l:
    if i%2==0:
        even.append(i)
    else:
        odd.append(i)
o=(tuple(odd))
e=(tuple(even))
print("odd = ",o)
print("even = ",e)
```

Output :-

```
(1, 2, 3, 4, 5, 6, 7, 8, 9)
odd =   (1, 3, 5, 7, 9)
even =   (2, 4, 6, 8)
```