

## تمرین ۱

```
b={'ali':30,'saman':34}
```

```
print(30 in b)
```

```
print(34 in b)
```

```
print('A' in b)
```

```
print('ali' in b)
```

```
print('saman' in b)
```

False

False

False

True

True

## تمرین ۲

```
b={'alireza':22,'arman':52,'amin':31}  
print(sorted(b))
```

```
['alireza', 'amin', 'arman']
```

## تمرین ۳

```
b={'ali':22,'hasan':32,'saman':10}  
b.pop('amin') print(b)
```

```
{'ali': 22, 'hasan': 32}
```

## تمرین ۴

```
b={'sina':45,'ali':35,'ahmad':65,'hasan':60}  
f=65  
for a in b:  
    if (b[a]==f):  
        print(a)
```

ali

تمرین ۵

```
b={}
```

```
a=input("enter a text")
```

```
for c in a:
```

```
if c in b:
```

```
b[c]+=1
```

```
else:
```

```
b[c]=1
```

```
print(b)
```

```
enter a textab ac {'a': 2, 'b': 1, ' ': 2, 'c': 1}
```

## تمرین ۶

```
b=dict()
a=input("enter a text")
for c in a:
    if c in b:
        b[c]+=1
    else:
        b[c]=1
for c in b:
    print(c,":",b[c])
```

```
enter a textalireza reza ALi a : 3 l : 1 i : 2 r :
2 e : 2 z : 2 : 2 A : 1 L : 1
```