python Dictionary

1.How to create a dictionary?

```
dictname =  {
  "Name": "Anoop",
  "District": "palakkad",
  "Age": 20
}
print(dictname)
```

2.Find the length of the string?

```
dictname =  {
  "Name": "Anoop",
  "District": "kochi",
  "Age": 20
}
print(len(dictname))
```

3.To remove district from the dictionary?

```
dictname =  {
  "Name": "Anoop",
  "District": "kochi",
  "Age": 20
}
thisdict.pop("District")
print(dictname)
```

4.Write a python program to concatenate following dictionaries to create a new one?

```
d1={"Name":"Raju","Age":41}

d2={"City":"kochi","Gender":"Male"}

d3={}

for d in (d1,d2):

    d3.update(d)

print(d3)
```

5. Write a program to get the maximum and minimum value of dictionary

```
marks={"m1":57 , "m2":99 , "m3":69 , "m4":45 , "m5":71}

v = marks.values()

maxi = max(v)

mini = min(v)

print("Maximum :",maxi)

print("Minimum :",mini)
```

6. Write a Python program to check whether a given key already exists in a dictionary

```
d = {"Name":"Ram","Age":23}

if "Name" in d:

  print('Key is Available in the Dictionary')

else:

  print('Key is not Available in the Dictionary')
```

7. Write a Python program to Merge two Python dictionaries into one.

```
keys = ["One", "Two", "Three", "Four", "Five"]

values = [1, 2, 3, 4, 5]

rest = dict(zip(keys, values))

print(rest)
```

8. Write a Python program to sum all the items in a dictionary

```python
d = {1:23,2:45,3:-17,4:87}
print(sum(d.values()))
```

9. Write a python program to create an empty dictionary

```python
dict1 = {}
Print("dict1:",dict1)
```

10. Writw a Python program to compare two dictionaries

```python
record1={'id':100,'name':shiva,'age':22}
record2={'id':104,'name':Ami,'age':22}

record3={'id':101,'name':shiji}
if record1==record2:
    print("record1 is equal to record2")
else:
  print("record1 is equal to record2")
print("record1 is not equal to record2")
if record2==record3:
    print("record2 is equal to record3")
else:
  print("record2 is not equal to record3")
```