**Activity 2.2**

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| **Write a program to illustrate iteration over the dictionary.** |
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d = {'key1': 1, 'key2': 2, 'key3': 3}

for k in d:

    print(k)

print(list(d))

print(type(list(d)))

while(1):

    print('\*\*\*\*\*\*\*\*DICTIONARY ITERATION\*\*\*\*\*\*\*\*\*')

    print('1.Through Dictionary keys()')

    print('2.Through Dictionary values()')

    print('3.Through Dictionary items()')

    print('4.Exit')

    c=int(input('Enter Your Choice'))

    if(c==1):

        for k in d.keys():

            print(k)

        print(d.keys())

        print(type(d.keys()))

        print(list(d.keys()))

        print(type(list(d.keys())))

    elif(c==2):

        for v in d.values():

            print(v)

        print(d.values())

        print(type(d.values()))

    elif(c==3):

        for k, v in d.items():

            print('Keys=',k, 'Values=',v)

        print(d.items())

        print(type(d.items()))

    elif(c==4):

        break