

1. Create a tuple `my_tuple` with the values 1, 2, and 3. Print the tuple.

```
In [1]: my_tuple = (1,2,3)
        print (my_tuple)
```

```
(1, 2, 3)
```

2. Create a set `my_set` with the values 1, 2, and 3. Print the set.

```
In [2]: my_set = {1,2,3}
        print (my_set)
```

```
{1, 2, 3}
```

3. Create a dictionary `my_dict` with keys "apple", "banana", and "cherry" and values 1, 2, and 3. Print the dictionary.

```
In [5]: my_dict = {"apple":1,"banana":2,"cherry":3}
        my_keys= my_dict.keys()
        my_values = my_dict.values()
        dictionary = my_dict.items()
        print (my_keys,my_values,dictionary)
```

```
dict_keys(['apple', 'banana', 'cherry']) dict_values([1, 2, 3]) dict_items([('apple', 1), ('banana', 2), ('cherry', 3)])
```

4. Use a for loop to print the values in `my_tuple` one by one.

```
In [7]: my_tuple
```

```
Out[7]: (1, 2, 3)
```

```
In [11]: for i in my_tuple:
         print (i)
```

```
1
2
3
```

5. Use a for loop to print the values in `my_set` one by one.

```
In [12]: my_set
```

```
Out[12]: {1, 2, 3}
```

```
In [13]: for x in my_set:
         print (x)
```

```
1
2
3
```

6. Use a for loop to print the keys and values in my_dict one by one.

```
In [14]: my_dict
```

```
Out[14]: {'apple': 1, 'banana': 2, 'cherry': 3}
```

```
In [16]: dictionary
```

```
Out[16]: dict_items([('apple', 1), ('banana', 2), ('cherry', 3)])
```

```
In [17]: for y in dictionary:  
         print (y)
```

```
('apple', 1)  
( 'banana', 2)  
( 'cherry', 3)
```

7. Use a while loop to print the numbers from 1 to 10.

```
In [18]: i = 1  
         while(i<=10):  
             print(i)  
             i += 1
```

```
1  
2  
3  
4  
5  
6  
7  
8  
9  
10
```

8. Use a while loop to print the even numbers from 2 to 10.

```
In [19]: i = 2  
         while(i<=10):  
             print(i)  
             i += 2
```

```
2  
4  
6  
8  
10
```

9. Use a while loop to print the squares of the numbers from 1 to 5.

```
In [20]: i = 1  
         while(i<=5):
```

```
print(i*i)
i += 1
```

```
1
4
9
16
25
```

10. Use a for loop to print the sum of the numbers in my_tuple.

```
In [73]: def summation(my_tup):
        test = list(my_tup)
        count = 0
        for i in test:
            count += i
        return count
```

```
In [74]: my_tup = (1,2,3,4,5)
        print(summation(my_tup))
```

```
15
```

```
In [ ]:
```