```python
48    set1 = {1,2,3,4,5}
49    print(set1)
50
51    # Q2
52    set1.add(6)
53    print(set1)
54
55    # Q3
56    set1.remove(3)
57    print(set1)
58
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL

```
anselbiju@ansels-MacBook-Air DSML_Python % /usr/
.py
{1, 2, 3, 4, 5}
{1, 2, 3, 4, 5, 6}
{1, 2, 4, 5, 6}
anselbiju@ansels-MacBook-Air DSML_Python %
```

```python
61    s = (1,2,3,4)
62    print(s)
63
64    # Q2
65    print(len(s))
```

```
● anselbiju@ansels-MacBook-Air DSML_Python % /usr/loc
  .py
  (1, 2, 3, 4)
  4
○ anselbiju@ansels-MacBook-Air DSML_Python %
```

```python
18    # Q1
19    import random
20    list1 = [random.randint(1, 10) for n in range(5)]
21    print(list1)
```

```
  /usr/local/bin/python3 /Users/anselbiju/Documents/DSML_Python/assignment_2.py
● anselbiju@ansels-MacBook-Air DSML_Python % /usr/local/bin/python3 /Users/anselbiju/
  .py
  [1, 2, 8, 5, 9]
● anselbiju@ansels-MacBook-Air DSML_Python % /usr/local/bin/python3 /Users/anselbiju/
  .py
  [4, 4, 10, 4, 4]
● anselbiju@ansels-MacBook-Air DSML_Python % /usr/local/bin/python3 /Users/anselbiju/
  .py
  [4, 10, 9, 9, 8]
○ anselbiju@ansels-MacBook-Air DSML_Python %
```

```
24    # Q2
25    list1.append(10)
26    list1.append(20)
27    list1.append(30)
28    print(list1)
29
```

```python
# Q3
for i in list1:
    print(i)
```

```
anselbiju@ansels-MacBook-Air DSML_Python % /usr
.py
[6, 9, 2, 2, 5]
[6, 9, 2, 2, 5, 10, 20, 30]
6
9
2
2
5
10
20
30
anselbiju@ansels-MacBook-Air DSML_Python %
```

```python
35    # topic : Dictionary Exercise.
36    # Q1
37    dictnary1 ={'name': 'ansel','age':24,'address':'america'}
38    print(dictnary1)
39
40
```

```
anselbiju@ansels-MacBook-Air DSML_Python % /usr/local/bin/python3 /Users/ansel
.py
{'name': 'ansel', 'age': 24, 'address': 'america'}
anselbiju@ansels-MacBook-Air DSML_Python %
```

```python
41    # Q2
42    dictnary1['phone'] = '1234567890'
43    print(dictnary1)
```

```
anselbiju@ansels-MacBook-Air DSML_Python % /usr/local/bin/python3 /Users/anselb
.py
{'name': 'ansel', 'age': 24, 'address': 'america', 'phone': '1234567890'}
anselbiju@ansels-MacBook-Air DSML_Python %
```