

1. The loop will stop at some point because whatever condition is in it will reach some sort of limit. / run out of memory.
2.
  - a. The first thing
  - b. The second thing
  - c. The first thing
  - d. The first thing
  - e. The second thing
  - f. The third thing.
3.
  - a. Going through the loop
  - b. 1
  - c. Going through the loop
  - d. 3
  - e. Going through the loop
  - f. 5
  - g. Going through the loop
  - h. 8
  - i. Going through the loop
  - j. 12
  - k. Going through the loop
  - l. 17
  - m. Going through the loop
  - n. 23
  - o. Going through the loop
  - p. 30
  - q. Going through the loop
  - r. 38
  - s. Going through the loop
  - t. 47
4. It would be confusing on when to add 2 and when to increment by 1 in the range.
5. 5 ,4 ,3, 2, 1
6. Nothing would be printed and the loop wouldn't be used.

7.

```
List=[unsorted 1 to 99];
```

```
valueToFind = x
```

```
valueFound = False;
```

```
for i in List:
```

```
    if i == valueToFind:
```

```
        break
```

```
valueFound = True
```