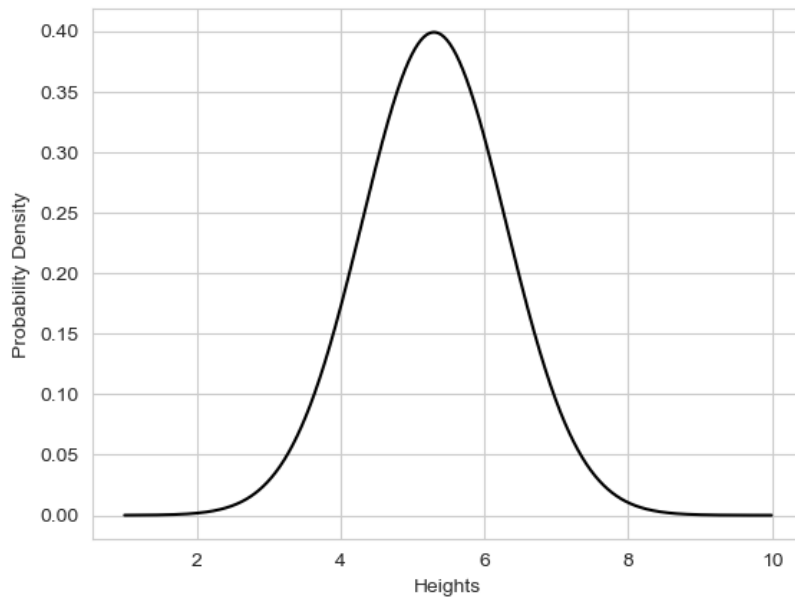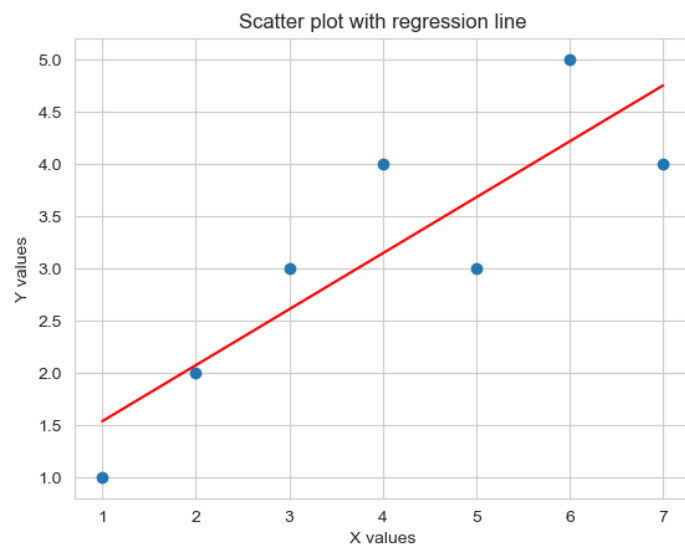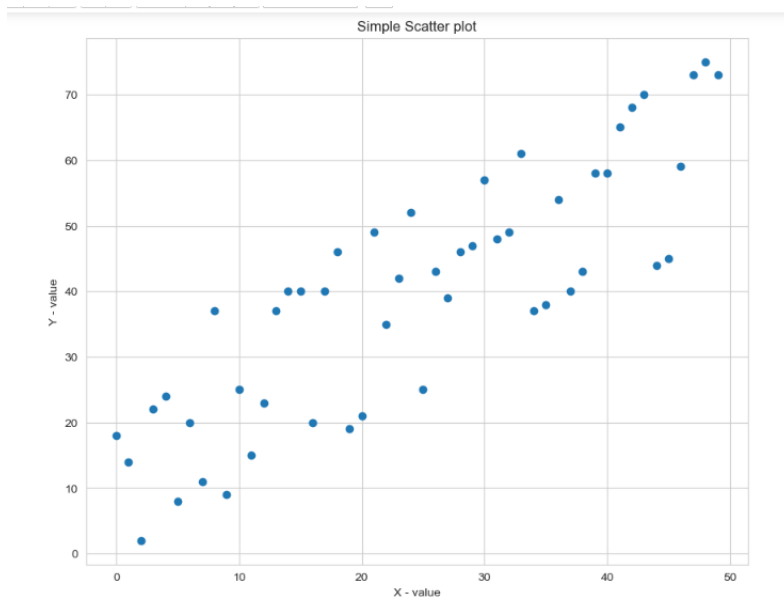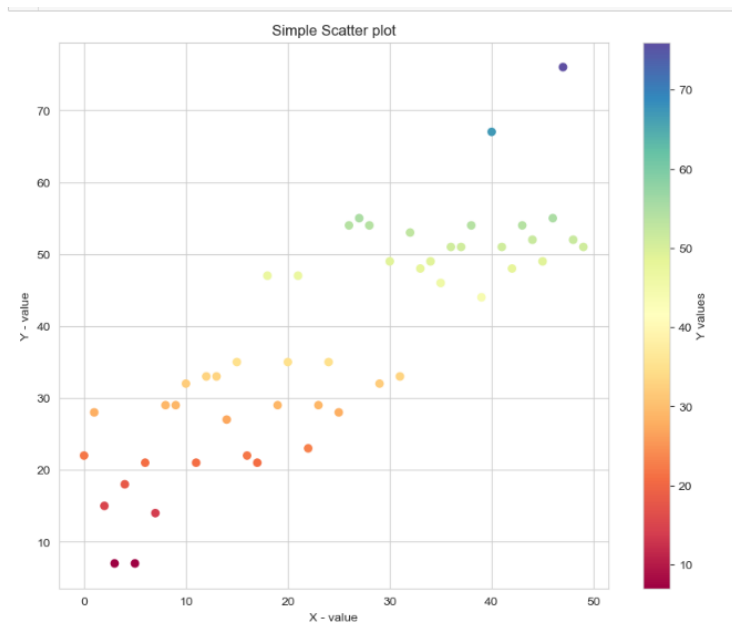## 5A:

5B:

Correlation: 0.8603090020146067

5B(i):

5B(ii):

5C:

```
[[1.         0.75864029]
 [0.75864029 1.        ]]
```

5D:

```
14  print( Pearson correlation:  , corr)
15
```

Pearson correlation: 0.887611908579531