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ECE 1770
Homework 2

1a)

```
6x2 Integer array:  [[100 100]
 [120 120]
 [140 140]
 [160 160]
 [180 180]
 [200 200]]
```

1b)

```
Even Odd Array:  [[15 21]
 [39 45]]
```

2a)

```
Euclidean Distance: [2.23606798]
Cosine Distance: [0.00172563]
Hamming Distance: [1.]
```
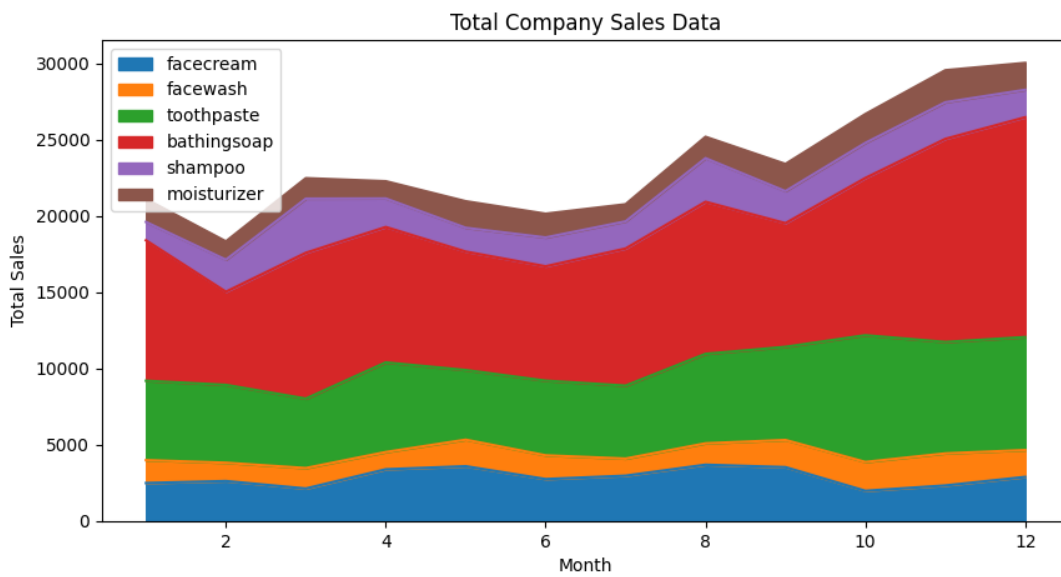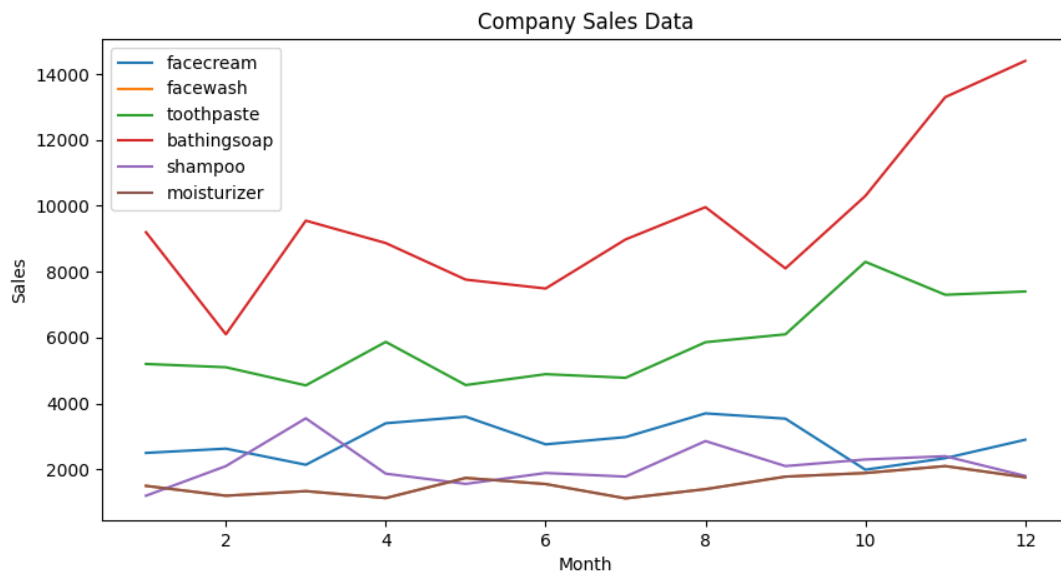
2b)

```
CSR Matrix:    (1, 2)     1
  (2, 0)     1
  (2, 2)     2

Non-zero count: 3

Zero-less CSR Matrix:    (1, 2)  1
  (2, 0)     1
  (2, 2)     2
```
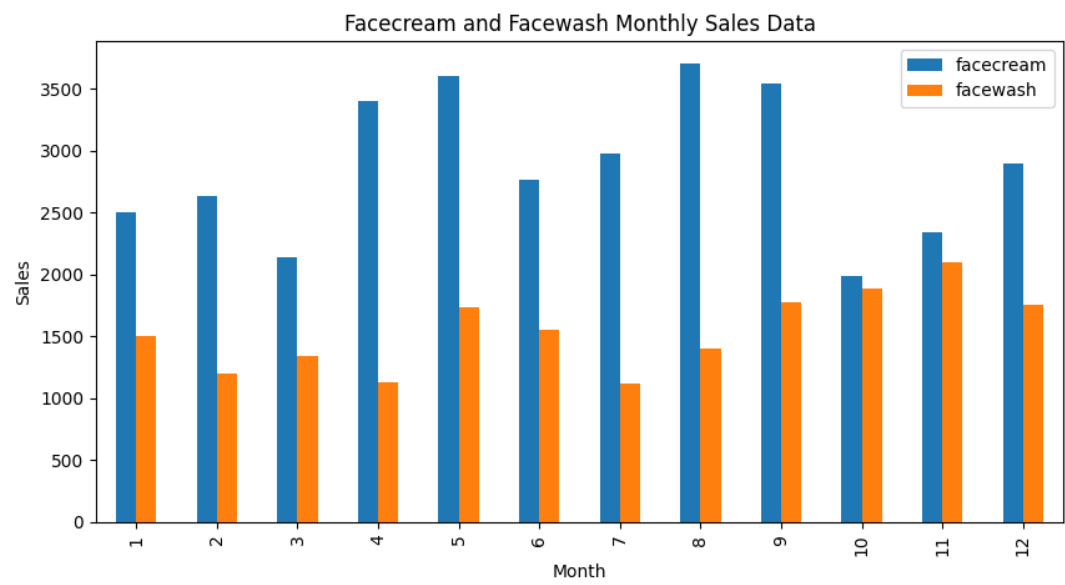
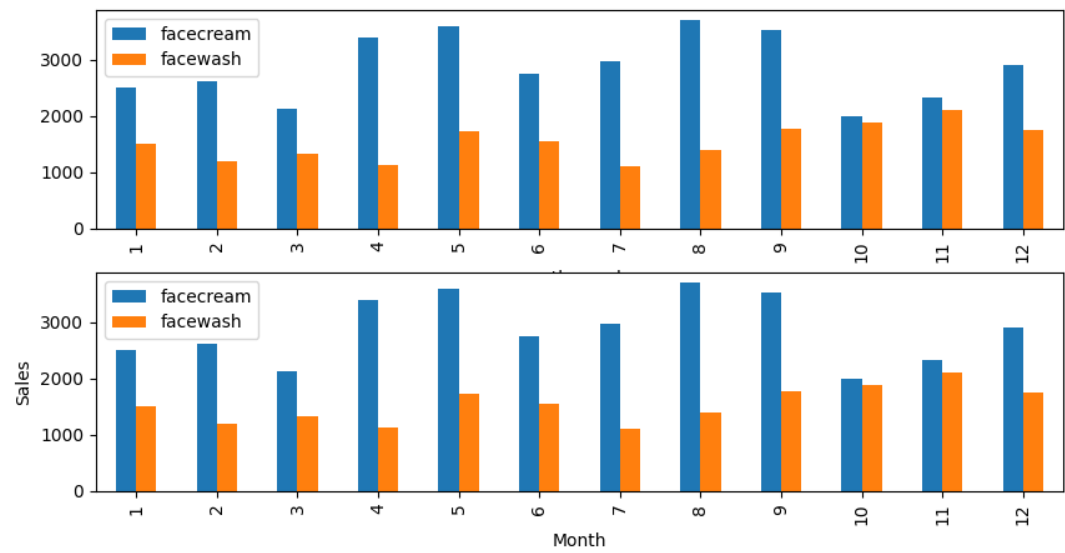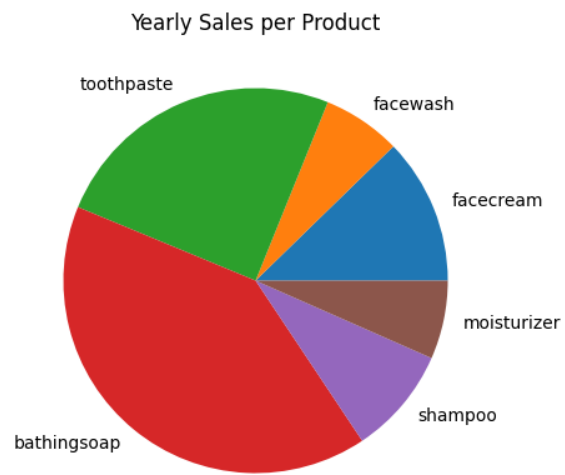**I believe it represents the same way as zeros aren't included in CSR form anyway.

3)

4a)

4b)

5a)

5b)