

Input:

| | | | | | |
|------|----|----|----|----|----|
| X | 1 | 5 | 7 | 9 | 12 |
| F(x) | 10 | 15 | 12 | 15 | 21 |

Output:

```
Users\De11\Desktop\Roshan NM\Unit 2\"fittingExponential
Enter the size of data pair: 5
x[0]: 1
y[0]: 10
x[1]: 5
y[1]: 15
x[2]: 7
y[2]: 12
x[3]: 9
y[3]: 15
x[4]: 12
y[4]: 21
Hence, the required exponential equation of given data is:
y = 9.4751*e^(0.058964x)
c:\Users\De11\Desktop\Roshan NM\Unit 2>
```

Input:

| | | | | | |
|------|-------|--------|--------|--------|--------|
| X | 2 | 4 | 6 | 8 | 10 |
| F(x) | 4.077 | 11.084 | 30.128 | 81.897 | 222.62 |

Output:

```
Users\De11\Desktop\Roshan NM\Unit 2\"fittingExponential
Enter the size of data pair: 5
x[0]: 2
y[0]: 4.077
x[1]: 4
y[1]: 11.084
x[2]: 6
y[2]: 30.128
x[3]: 8
y[3]: 81.897
x[4]: 10
y[4]: 222.62
Hence, the required exponential equation of given data is:
y = 1.4999*e^(0.500008x)
c:\Users\De11\Desktop\Roshan NM\Unit 2>
```