

Assignment – Day 8

1. Given a list of products, print out the name of all the products with a price higher than 10.

Hint: Use Dictionary

```
products = [  
    {'name': 'orange', 'price': 20},  
    {'name': 'apple', 'price': 8},  
    {'name': 'banana', 'price': 10},  
    {'name': 'kiwi', 'price': 30}  
]
```

[Marks: 2]

2. Take two list of numbers the products quantities and the prices. Calculate total price per product. (Use list comprehension)

Example input-output

```
product_quantities = [13, 5, 6, 10, 11]  
prices = [1.2, 6.5, 1.0, 4.8, 5.0]  
Output = 157.1
```

[Marks: 1]

3. Write a function which takes a list of votes for candidates, find out who is the winner.

Ex: ['a', 'b', 'a', 'c', 'a']

Here there are total 3 candidates contesting 'a', 'b' and 'c'. And winner is 'a' as he got the highest votes.

[Marks: 2]