Use the table df below for the questions (Assume this is just the first 7 rows)

	Fruit	Price	Sales	Date
0	Apple	2	140	Jan-1-2017
1	Orange	2	400	May-10-2017
2	Grapes	5	180	Feb-5-2017
3	Plums	2	300	Mar-7-2017
4	Peaches	6	120	Apr-12-2017
5	Water Melon	5	180	Nov-18-2017
6	Pineapple	4	60	Jul-13-2017

```
import numpy as np
import pandas as pd
```

- 1. What values will you get back for df.iloc[2]?
- 2. What values will you get back for df3.loc[3,['Fruit','Price']]?
- 3. Change all the prices of 'Orange' to 4.
- 4. Change all the prices of 'Orange' to 5, where Sales is less than 100.
- 5. Create a new table df2 with just the Sales column and the Price column.
- 6. Create a "Period" column in table df, that converts the string dates from "DateString" in to date objects.
- 7. Create a table df2 where all the sales are greater then 100 and price are greater then 5.
- 8. Create a table df2 that has the 20 lowest prices, for only fruits with sales less then 250.
- 9. Create a bar graph where Fruit is on the x-axis and price is on the y-axis, for the highest 50 prices. df.plot(kind='bar',x='Fruit',y='Price')
- 10. There is a dictionary named paymenttype, that has the keys as the sales numbers and the value as the type of payment used when the fruit is purchased. Add a new column in df called 'Ptype' that inserts the correct payment type for each sales.
- 11. What is the average price of all the fruits in the table?
- 12. What is the total count of each fruit in the table, in descending order?
- 13. What is the total amount of sales, by fruit, in ascending order, just the top 5.
- 14. What is the average price of fruit, for fruits that have sales less then 200.
- 15. What is the average price of fruit, for fruits that have sales greater then 100 and less then 350, in ascending order