EON-DA-WEEK1- Assignment on Python Basic Data Types ---------- Created by V.Karthik Date:27.11.2022

Problem 1:

```
Data scientist getting time data as in string format from real-time IoT Machines like,  time =
'20:26:45',
Actuly they want to anaysis time data with hours , miniutes and seconds separatly.
How will you help them to seperate this string data into the following output

hours:20
miniutes:26
seconds:45
```

CODE 1:

In [ ]:
```
time = '07:16:35'
#TO DO: write your code here
```

In [ ]:
```

```

Problem 2:

```
Data Enginers needs to collect data from webpage firstpage.html , this file contents are given in
string
Task:
1.find How many paragraph elements present in the web_page
2.find any script file present in the web_page, if yes print web_page contain script file
3. print the line containing the script file :  <script src="scripts/main.js"></script>
```

CODE 2:

In [ ]:
```
web_page='''<html>
    <head>
        <title>first page</title>
        <script src="scripts/main.js"></script>
    </head>
    <body>
        <p>This is a paragraph. </p>
        <p>This is another paragraph. </p>
    </body>
</html>'''

#TO DO write your code Here
```

In [ ]:
```

```

Problem 3:

```
Use the following dictionary objects for this assignment:

dict_aisle = { "A100": ['bananas', 'milk', 'bread'],
                      "A101": ['pens', 'pencils', 'paper'],
                      "A102": ['canned_peas', 'canned_carrots', 'canned_beans'],
                      "A103": ['plates', 'glasses', 'table_cloth']
                    }

Perform the following Operation on given dictionary data:

1.Prompt the user to enter the name of the item:
    a.If found, display the aisle number of the item.
    b.if not found, display a message "Item Not Found!!"

2.Add the following aisle to the dict_aisle:
    a.Aisle No: B101
    b.Items on aisle: kids toys, kids clothes

3. Print the dict_aisle as below:
A100 : ['bananas', 'milk', 'bread']
A101 : ['pens', 'pencils', 'paper']
A102 : ['canned peas', 'canned carrots', 'canned beans']
A103 : ['plates', 'glasses', 'table cloth']
B101 : ['Kids toys', 'Kids cloths']
```

CODE 3:

In [ ]:
```
dict_aisle = { "A100": ['bananas', 'milk', 'bread'],
                      "A101": ['pens', 'pencils', 'paper'],
                      "A102": ['canned_peas', 'canned_carrots', 'canned_beans'],
                      "A103": ['plates', 'glasses', 'table_cloth']
                    }
#TO DO Write your code here
```

In [ ]:
```

```

Problem 4:

```
Use the following dictionary objects for this assignment:
# Fruit : price
inventory = { "banana": 0.25,
              "watermelon": 5.25,
              "orange": 0.50,
              "peer": 0.40,
              "apple": 0.30,
              "kiwi": 0.75,
            }

Perform the following Operation on given dictionary data:

1.Prompt the user to enter the quantity of each fruit and display the total cost of the purchase.
```

CODE 4:

In [ ]:
```
inventory = { "banana": 0.25,
              "watermelon": 5.25,
              "orange": 0.50,
              "peer": 0.40,
              "apple": 0.30,
              "kiwi": 0.75,
            }
#TO DO Write your code here
```

In [ ]:
```

```

Problem 5:

```
Assume you as a Data analytics and you needs to analyze the data to find centeral tendency and
disperson using descriptive statistics.
given data is
age_set={'45','56','60','30','25','65','300','25','56','64','30','45','30','108'}
Task
1.find the distinct mean,median,mode
2.find the range,variange,standard deviation
```

CODE 5:

In [ ]:
```
age_set={'45','56','60','30','25','65','300','25','56','64','30','45','30','108'}
#TO DO write your code Here
```

In [ ]:
```

```