Exercise 7

March 25, 2021

1 Question 1

```
[1]: resturants = ["The Krusty Krab", "Gusteau's", "KFC"] # favourite resturants
     for resturant in resturants:
         print("The food at "+resturant+" is good")
     #part B
     print("\nI like the krabby patties at "+resturants[0]+". The tropical smoothies␣
      ↪at "+resturants[1]+" are very good. "+resturants[2]+"'s fried chicken is␣
      ↪very tasty.")
```

```
The food at The Krusty Krab is good
The food at Gusteau's is good
The food at KFC is good

I like the krabby patties at The Krusty Krab. The tropical smoothies at
Gusteau's are very good. KFC's fried chicken is very tasty.
```

2 Question 2

```
[1]: songs = ["NEVER", "Change", "Tings", "Ricky Millions"]
     for song in songs:
         print(song+" gets me motivated")
     print("\n"+songs[0]+" is by JID,"+songs[1]+" is by J.Cole, "+songs[2]+" is by␣
      ↪Baby Smoove and "+songs[3]+" is by Smino" )
```

```
NEVER gets me motivated
Change gets me motivated
Tings gets me motivated
Ricky Millions gets me motivated

NEVER is by JID,Change is by J.Cole, Tings is by Baby Smoove and Ricky Millions
is by Smino
```

3 Question 3

```
[2]: print("The first two songs inside my music list are: "+str(songs[0:2]))
     print("One item from the middle of my music list is: "+str(songs[1:2]))
     print("The last two songs inside my music list are: "+str(songs[-2:]))
```

```
The first two songs inside my music list are: ['NEVER', 'Change']
One item from the middle of my music list is: ['Change']
The last two songs inside my music list are: ['Tings', 'Ricky Millions']
```

4 Question 4

```
[4]: resturants = ["The Krusty Krab", "Gusteau's", "KFC"]
     Moms_Resturants = ["The Krusty Krab", "Gusteau's", "KFC"] # copy of resturants

     resturants.append("Chefette")
     resturants.append("Champers")

     Moms_Resturants.append("Bob's Burgers")

     print("My favourite resturants are: ")
     for resturant in resturants:
         print(resturant)
     print("\n")
     print("My mom's favourite restaurants are: ")
     for resturant in Moms_Resturants:
         print(resturant)
```

```
My favourite resturants are:
The Krusty Krab
Gusteau's
KFC
Chefette
Champers


My mom's favourite restaurants are:
The Krusty Krab
Gusteau's
KFC
Bob's Burgers
```

5 Question 5

```
[5]: for numbers in range(58,76): #range between 57 and 75. 58 is between
         print(numbers)
```

```
58
59
60
61
62
63
64
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67
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71
72
73
74
75
```

6 Question 6

```
[6]: nums = [num for num in range(1,36)]
     for num in nums:
         print(num)
```

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1
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```

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35
```

7 Question 7

```python
[7]: for numbers in range(58,76,2): #range between 57 and 75
         print(numbers)
```

```
58
60
62
64
66
68
70
72
74
```

8 Question 8 + 9

```python
[8]: cubes = [x**3 for x in range(1,16)]
     print(min(cubes))
     print(max(cubes))
     print(sum(cubes)/2)
```

```
1
3375
7200.0
```

9 Question 10

```
[9]: float = [3.4764,94.15,0.2309,236.719]
     sum = 0
     for number in float:
         sum += number
     print(sum)
```

334.5763

```
[0]:
```