

exam

November 15, 2020

```
[1]: # task 1
year = int(input('Please enter a year'))
if year % 4==0:
    print(year,'is a leap year')
else:
    print(year,'is not a leap year')
```

Please enter a year2012
2012 is a leap year

```
[6]: # Task2
integer = int(input('please enter a integer value: '))
if integer >=0:
    for i in range(0,integer):
        square_output = i * i
        print(square_output)
else:
    print('enter a integer a positive positive integer')
```

please enter a integer value: 4
0
1
4
9

```
[27]: # Task 3
number = int(input('enter a integer'))
for i in range(0, number):
    for j in range(0, i + 1):
        print("*", end=' ')
    print("\n")
```

enter a integer3
*
* *
* * *

```
[14]: # TASK 4
dictionary = {
    'Passed': 'you have practice at home',
    'Failed': 'you was not serious',
    'Other': 'Write your own meaning'
}
print(dictionary['Passed'])
```

you have practice at home

```
[3]: #Task 5
desired_number = [20, 25, 3, 11, 88]
new_list = desired_number[0:4]
summation = 0
for x in range(list(new_list)):
    summation = summation + x
average = summation/len(new_list-1)
print(average)
```

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TypeError                                Traceback (most recent call last)
<ipython-input-3-30af1d3c9802> in <module>
      3 new_list = desired_number[0:4]
      4 summation = 0
----> 5 for x in range(list(new_list)):
      6     summation = summation + x
      7 average = summation/len(new_list-1)

TypeError: 'list' object cannot be interpreted as an integer
```

```
[45]: #task 6:
dictionary = {
    'Hasan': [10,5,20],
    'Sakir': [10,10,14],
    'Hanif': [20,15,10],
    'Saiful': [20,20,20]
}
Hasan = 0
for i in dictionary['Hasan']:
    Hasan = Hasan + i
Hasan_average = Hasan/len(dictionary['Hasan'])
print('the average of hasan', Hasan_average)
Sakir = 0
for i in dictionary['Sakir']:
    Sakir = Sakir + i
Sakir_average = Sakir/len(dictionary['Sakir'])
```

```
print('the average of Sakir', Sakir_average)
Hanif = 0
for i in dictionary['Hanif']:
    Hanif = Hanif + i
Hanif_average = Hanif/len(dictionary['Hanif'])
print('the average of hanif', Hanif_average)
Saiful = 0
for i in dictionary['Saiful']:
    Saiful = Saiful + i
Saiful_average = Saiful/len(dictionary['Saiful'])
print('the average of Saiful', Saiful_average)
```

```
the average of hasan 11.666666666666666
the average of Sakir 11.333333333333334
the average of hanif 15.0
the average of Saiful 20.0
```

[]: