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pythonProject1 〉 venv 〉 answer 1.py

prime number not using loops.py | CALCULATOR.py | FIBONACCI.py | dictionary.py | All_Table.py

```python
#bar chart
import matplotlib.pyplot as plt

left = [1, 2, 3, 4, 5]

height = [10, 24, 36, 40, 5]

tick_label = ['one', 'two', 'three', 'four', 'five']

plt.bar(left, height, tick_label = tick_label,
        width = 0.8, color = ['red', 'green'])

plt.xlabel('x - axis')
plt.ylabel('y - axis')
plt.title('My bar chart!')

plt.show()

#histogram
ages = [2,5,70,40,30,45,50,45,43,40,44,
        60,7,13,57,18,90,77,32,21,20,40]

range = (0, 100)
bins = 10

plt.hist(ages, bins, range, color = 'green',
        histtype = 'bar', rwidth = 0.8)
```

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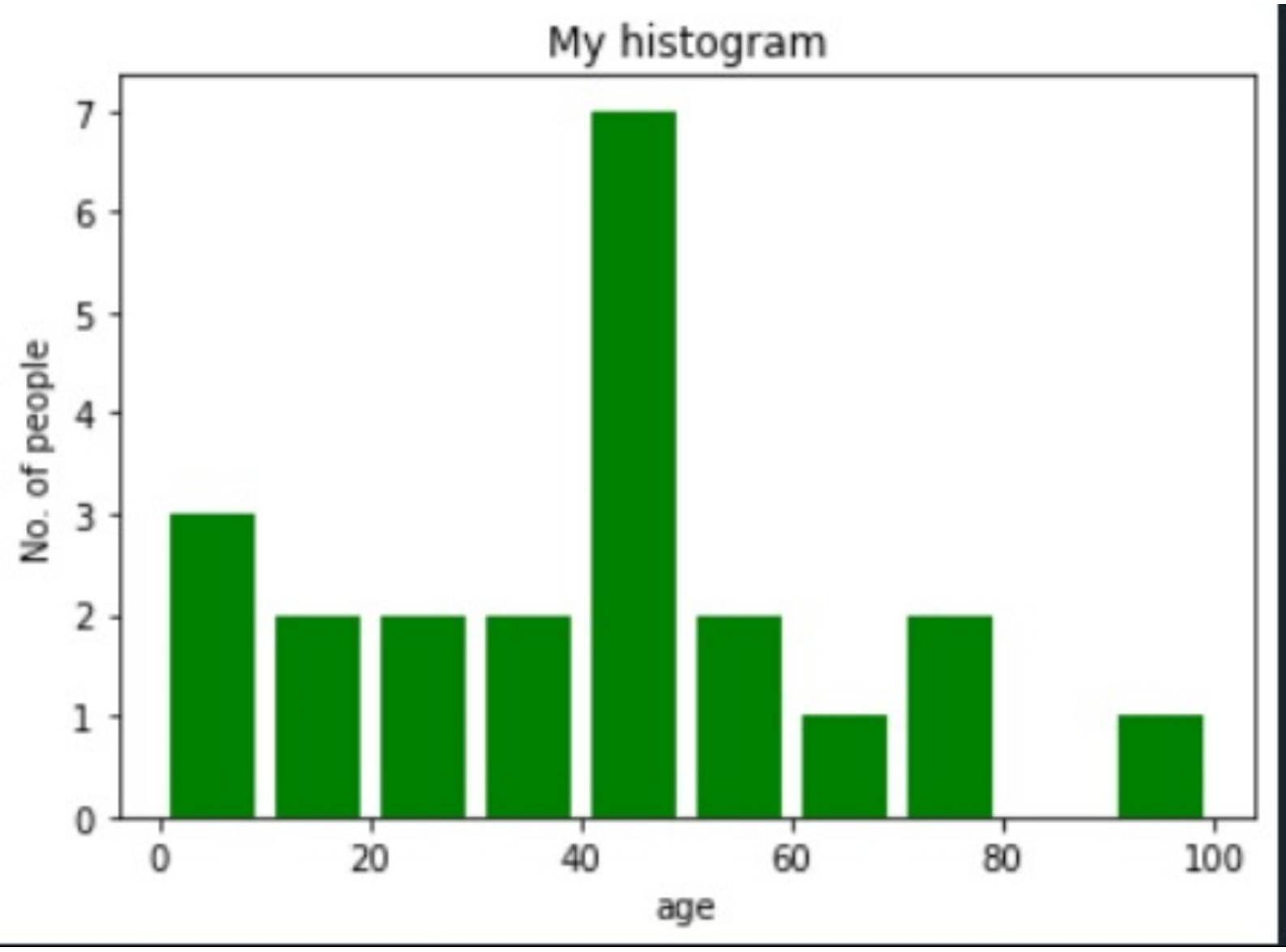
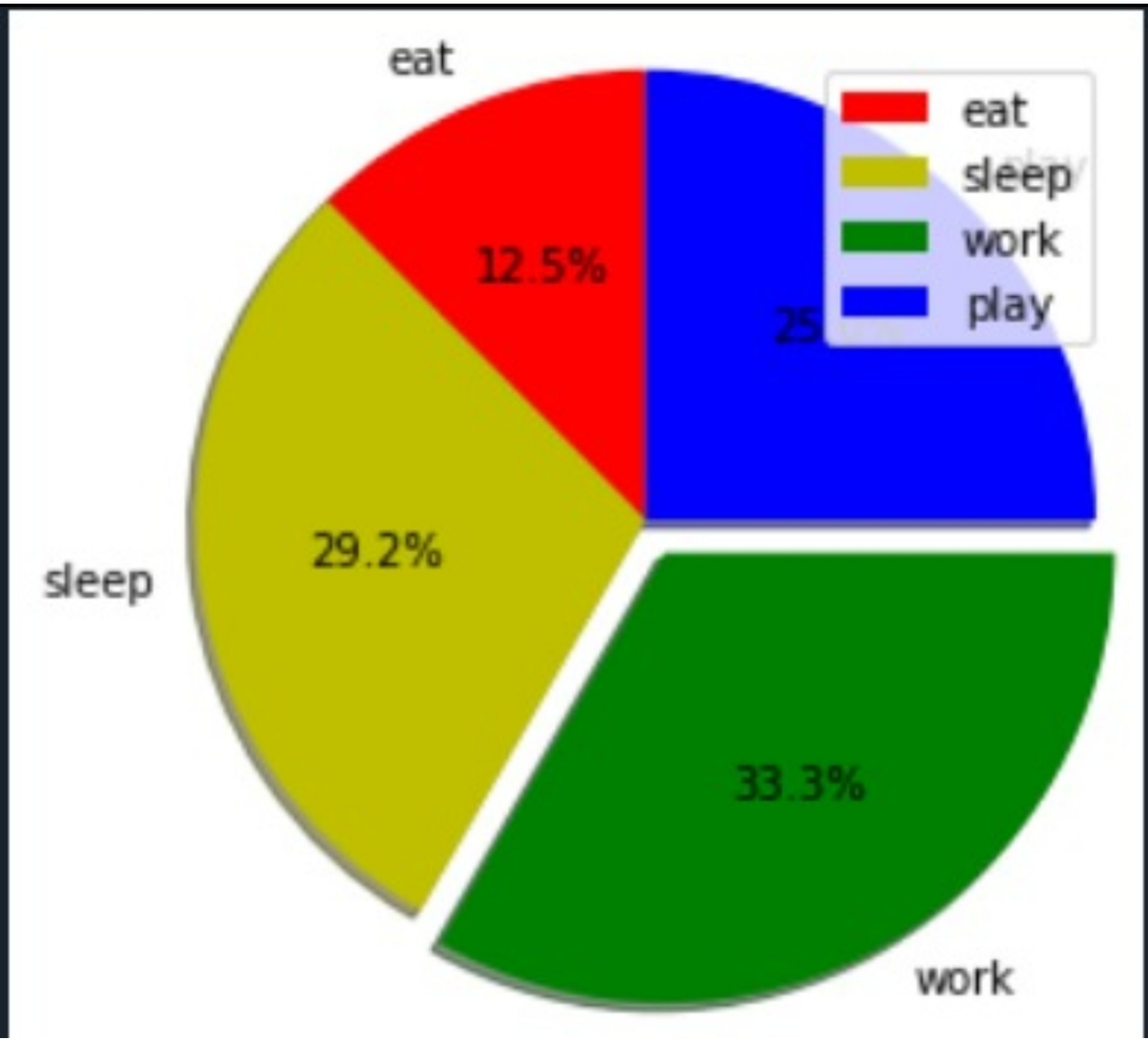
prime number not using loops.py | CALCULATOR.py | FIBONACCI.py | dictionary.py | All_Table.py | testcase 1.p

```
25
26      plt.hist(ages, bins, range, color = 'green',
27              histtype = 'bar', rwidth = 0.8)
28
29      plt.xlabel('age')
30      plt.ylabel('No. of people')
31      plt.title('My histogram')
32
33      plt.show()
34
35      #pie chart
36
37      activities = ['eat', 'sleep', 'work', 'play']
38
39      slices = [3, 7, 8, 6]
40
41      colors = ['r', 'y', 'g', 'b']
42
43      plt.pie(slices, labels = activities, colors=colors,
44              startangle=90, shadow = True, explode = (0, 0, 0.1, 0),
45              radius = 1.2, autopct = '%1.1f%%')
46
47      plt.legend()
48
49      plt.show()
```


My bar chart!
y - axis
x - axis
0
5
10
15
20
25
30
35
40
one
two
three
four
five


My histogram
No. of people
0
1
2
3
4
5
6
7
0
20
40
60
80
100
age


eat
sleep
work
play
12.5%
29.2%
33.3%
eat
sleep
work