

SHASHANK KARTHIKEYAN - A50703012
CSE 201 HOMEWORK 3

QUESTION 2

Microsoft Windows [Version 10.0.14393]

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C:\Users\shash>bash

56 packages can be updated.

31 updates are security updates.

shashankkarthikeyan@DESKTOP-JJ6HK0J:/mnt/c/Users/shash\$ python

```
>>> 18 + 3*5
```

```
33
```

```
>>> 158//3
```

```
52
```

```
>>> 158./3
```

```
52.666666666666664
```

```
>>> 158/3
```

```
52
```

```
>>> 23**3
```

```
12167
```

```
>>> 19-3**2+
```

```
File "<stdin>", line 1
```

```
19-3**2+
```

```
^
```

```
SyntaxError: invalid syntax
```

```
>>> import random
```

```
>>> myInt = random.randint(1,9889)
```

```
>>> myInt + 321
```

```
6440
```

```
>>> myInt = myInt + 100
```

```
>>> myInt/43
```

```
144
```

```
>>>
```

```
>>> myInt%43
```

```
27
```

```
>>> from math import floor, ceil, log
```

```
>>> floor(myInt/43)
```

```
144.0
```

```
>>> floor(myInt/43.)
```

```
144.0
```

```
>>> ceil(myInt/43)
```

```
144.0
```

```
>>> ceil(myInt/43.)
```

```
145.0
```

hw3

```
>>> log(12345, 31)
2.7434599609091324
>>> s = 'This is My first Example in IPython.'
>>> s.find('is')
2
>>> s.find('s', 3)
3
>>> s.replace('is', 'at')
'That at My first Example in IPython.'
>>> len(s)
36
>>> s[3:8]
's is '
>>> s[:3]
'Thi'
>>> s[3:3]
''
>>> s[5:]
'is My first Example in IPython.'
>>> s[:-1]
'This is My first Example in IPython'
>>> s[::-1]
'.nohtyPI ni elpmaxE tsrif yM si sihT'
>>> exit()
```

QUESTION 3

PYTHON CODE:

```
cycle_hr = float(input("Enter the number of hours cycling: "))
running_hr = float(input("Enter the number of hours running: "))
swim_hr = float(input("Enter the number of hours swimming: "))

cal_burn = (200*cycle_hr) + (475*running_hr) + (275*swim_hr)

weight_loss = cal_burn/3500

print("Weight loss:", weight_loss,"pounds")
```

OUTPUT:

```
C:\Users\shash\OneDrive\Documents\University\Classes\CSE 201\HW\HW3>hw3.3.py
Enter the number of hours cycling: 2
Enter the number of hours running: 3
Enter the number of hours swimming: 1
Weight loss: 0.6 pounds
```