1.3_JakeDineen

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IST 652

0.0.1 Activity 1:

What will the following code print out?

x = 43
x = x + 1
print (x)

a) 43
b) 44
c) x + 1
d) Error because x = x + 1 is not possible mathematically

```
In [1]: #Answer
        # B.

        x = 43
        x = x +1
        print(x)
```

```
44
```

0.0.2 Activity 2:

Write a sequence of statements into the Python interpreter to prompt the user for hours and rate per hour,

printing each one, and then to compute gross pay as (hours * rate). Your output lines should look something like:

Enter Hours: 35
Enter Rate: 2.75
Pay: 96.25

Don't worry about making sure that Pay has exactly two digits after the decimal point. Submit your code and the output by doing a copy/paste from the Python interpreter.

```
In [22]: #Answer for Activity 2
         hours = float(input('Enter hours:' , ))
         rate = float(input('Enter Rate:' ,))
         print('Pay: ${}'.format(hours*rate))
```

```
Enter hours:35
Enter Rate:2.75
Pay: $96.25
```

0.0.3 Activity 3:

Assume that we execute the following assignment statements:
width = 17
height = 12.0
For each of the following expressions, write the value of the expression and its type. 1. width / 2 2. width / 2.0 3. height / 3 4. 1 + 2 * 5
Use the Python interpreter to check your answers. Submit your answers.

```
In [27]: #Answer for Activity 3
         width = 17
         height = 12.0

         width_by2 = width/2
         width_by2float = width/2.0
         height_by3 = height/3
         arith = 1 + 2 * 5

         def printanswer(i,x):
             print('Question {}: |Type {}: | Answer {}'.format(i, type(x), x))

         printanswer(1,width_by2)
         printanswer(2,width_by2float)
         printanswer(3,height_by3)
         printanswer(4,arith)
```

```
Question 1: |Type <class 'float'>: | Answer 8.5
Question 2: |Type <class 'float'>: | Answer 8.5
Question 3: |Type <class 'float'>: | Answer 4.0
Question 4: |Type <class 'int'>: | Answer 11
```