

1. I wrote the program that performs conversion from inches to centimeters but I have 4 syntax errors in it!

Can you please fix them (without typing your code in Python Interpreter)?

```
def main():
    print("Hello!")
    print("This is \" inches to centimeters \" converter.")

    x = eval(input("input inches:"))

    x_cm = x * 2.54 # conversion of inches to centimeters

    print(x, "\" = ", x_cm, "cm")
    print("Good bye!")

main()
```

2. I wrote the program that prompts for two numbers from the user, and then displays, in order:
 their sum (a+b),
 their average ((a+b)/2),
 their difference (a-b), and finally
 their quotient (a/b).

I was also very nice to give the user a brief description of what does the program do at the very start of the program. Somebody mixed up the lines in the code. Please help me to restore it as it was! All you need to do is to list the numbers of lines in the correct order without help of Python Interpreter.

```
1 def main():
2
3     print("3)", x, "-", y, "=", x-y)
4     print("4)", x, "/", y, "=", x/y)
5     y = eval(input("Please, input the second number: "))
6
7     print("Here are the results:")
8
9     print("1)", x, "+", y, "=", x+y)
10    print("2)", "Average of", x, "and", y, "is", (x+y)/2)
11    x = eval(input("Please, input the first number: "))
12    print("This program finds sum, average, difference and quotient
13          of the two inputted numbers.")
14
15 main()
```

Answer: 1,2,12-13,11,5,7,9,10,3,4 (6,8-left

3. What do you think the following code will produce (what will be displayed)?

```
a = 10
b = eval(input("Please enter an integer:"))
print("a =", a)
b = a**2
print("b =", b)
a, b = 15, 24
print("a =", a, " and b =", b)
```

Please enter an integer:?
 a = 10
 b = 100
 a = 15 and b = 24

