Contents

1 Basic Test Results

```
1   Starting tests...
2   Mon Oct 21 18:22:30 IDT 2013
3   b3c28db7c617f6dca5eddfa104e02649a370d869  -
4
5
6   README
7   ex1.py
8
9   Testing README...
10  Done testing README...
11
12  Testing ex1.py...
13  result_code    Einstein    900    1
14  Done testing ex1.py
15
16  Grading summary
17  ---------------
18  ******
19  Number of failed tests: 0
20  Total number of tests : 900
21  Penalty: 0.0
22  ******
23  Expected automatic grade: 100.0
24  ******
25  Submission passed!
26  Tests completed
```

2 aaa expected autograde

```
1   Grading summary
2   ---------------
3   ******
4   Number of failed tests: 0
5   Total number of tests : 900
6   Penalty: 0.0
7   ******
8   Expected automatic grade: 100.0
9   ******
10  Submission passed!
```

3 aaa hint result.png

4 README

```
1   roigreenberg
2   305571234
3   roi greenberg
4
5   ================================
6   =  README for ex1: Einstain game =
7   ================================
8
9
10  usage:  1. python ex1.py <print 1089 for any 3 digit number>
11
12
13  ==================
14  =  Description:  =
15  ==================
16
17  In the exercise I ask the user to choose secretly 3 digit number and print always "1089"
18
19  ============================
20  =  List of submitted files: =
21  ============================
22
23  README         This file
24  ex1.py         print 1089 for any 3 digit number
25
26  =====================
27  =  Special Comments  =
28  =====================
29
30  The program do not chech if the input number is correct (3 digit and the first and last digit are different.
31  For checking that the following lines should be added:
32
33  while int(input_number/100)==int(input_number%10) or input_number>1000: # check if the number is correct
34      input_number = int(input("Please choose another 3 digit number:"))
```

you should write you are using the Einstien puzzle

what does this mean?

5

5 ex1.py

```python
#####################################################################
# FILE : ex1.py
# WRITER : Roi Greenberg + roigreenberg + 305571234
# EXERCISE : intro2cs ex1 20013-2014
# DESCRIPTION:
# Einstein game
#####################################################################


print("Welcome to the Einstein puzzle")  # welcoming line
input_number = int(input("Please enter a three digit number:"))  # receive number
reverse_number = input_number//100 + ((input_number//10)%10)*10 + (input_number%10)*100  # calculate the reverse number
print("For the number:", input_number, "the reverse number is:", reverse_number)
difference = max(input_number,reverse_number) - min(input_number,reverse_number)  # calculate the difference between the num
print("The difference between", input_number, "and", reverse_number, "is", difference)
reverse_difference = difference//100 + ((difference//10)%10)*10 + (difference%10)*100  # calculate the reverse difference nu
print("The reverse difference is:", reverse_difference)
print("The sum of:", difference, "and", reverse_difference, "is:", difference+reverse_difference)
```

you should expand
on your description

6