

python_task 1.py - C:\Users\hp\Desktop\python_task 1.py (3.9.6)

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```
import random
def main():
    #prompt the player for secret number
    secretnum = str(random.randint(1, 10000))
    secretnum = "1234"
    print(secretnum)
    guess = 10
    score = 20

    print(f"The secret number is {len(secretnum)} numbers long")

    #loop through the code until number is guessed or you run out of guesses
    while guess > 0:
        wrong_pos = 0        #count number of wrong positions
        number_list = []
        guessnum = input("Guess the num: ")

        #check for invalid errors. user will not loose guesses for invalid inputs
        if len(guessnum) > len(secretnum) or \
           len(guessnum) < len(secretnum) or \
           guessnum.isnumeric() == False:
            print("invalid input")
            continue

        guess -= 1
        #create a list of correctly guessed numbers
        number_list = [num for num in guessnum if num in secretnum and num not in number_list]
        #break out of the loop once guessed num is equal to secretnumber
        if guessnum == secretnum:
            score += 5
            break
        else:
            score -= 2

        #count the number of wrong positions.
        for number in number_list:
            if secretnum.index(number) != number_list.index(number):
                wrong_pos += 1

        #print formatted output as was given in the example program run
        printf(number_list, wrong_pos, guess)
```

"IDLE Shell 3.9.6"

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```
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 16:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\hp\Desktop\python_task 1.py =====
1234
The secret number is 4 numbers long
Guess the num: 8763
1 digits: ['3'] guessed correctly.
1 numbers in wrong position
Turns remaining: 9

Guess the num: 1876
1 digits: ['1'] guessed correctly.
0 numbers in wrong position
Turns remaining: 8

Guess the num: |
```

Ln: 17 Col: 15

Ln: 1 Col: 0



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