https://github.com/majidsh97/dsss_homework_2

```
import random
def get_random_num(min, max):
    this function gets two numbers and returns one random number
     `min`= minimum number,
     `max`= maximuim number
    :return
    Random integer.
        r = random.randint(min, max)
        r = random.randint(int(min), int(max))
    return r
def get_random_operation():
    @param: no Args
    @return: a random char
    return random.choice(['+', '-', '*'])
def operation(n1, n2, o):
    do the operation
    p = f''\{n1\} \{o\} \{n2\}''
    elif o == '-': a = n1 - n2
    else: a = n1 * n2
    return p, a
```

Task 5:

```
PS D:\Python Projects\DSSS\dsss_homework_2 python -m pip install githttps://github.com/majidsh97/dsss_homework_2.git
WARNING: Ignoring invalid distribution -ip (d:\python\python3.9\lib\site-packages)
WARNING: Ignoring invalid distribution -ip (d:\python\python3.9\lib\site-packages)
Collecting githttps://github.com/majidsh97/dsss_homework_2.git
Cloning https://github.com/majidsh97/dsss_homework_2.git
Cloning https://github.com/majidsh97/dsss_homework_2.git to c:\users\majid\appdata\loca\ltem\pip-req-build-cddkor3a
Running command git clone --filter=blob:none --quiet https://github.com/majidsh97/dsss_homework_2.git 'C:\Users\Majid\appdata\loca\ltem\pip-req-build-cddkor
Resolved https://github.com/majidsh97/dsss_homework_2.git to commit 25326320470832c95b7301cs10020c6270be44e66
Preparing metadata (setup.py) ... done
Building wheels for collected packages: math-quiz
Building wheel for math-quiz: filenamemath_quiz-1.0.0-py3-none-any.whl size=7081 sha256-351397f2cefdd8255d7a3bealacef4ac6a57f8032e62faf2ca21b0c656fd2bb4
Stored in directory: C\Users\Majid\appdata\loca\lTemp\pip-ephem-wheel-cache-5tqbw30\wheels\cdot422\gamma30\wheels\cdot25d77660d85c20282efd3e86cfd011453f776169f2936ad78
Successfully built math-quiz
MARNING: Ignoring invalid distribution -ip (d:\python\python3.9\lib\site-packages)
Installing collected packages: math-quiz
MARNING: Ignoring invalid distribution -ip (d:\python\python3.9\lib\site-packages)
Successfully installed math-quiz-1.0.0
```

Task 4:

```
from math_quiz import get_random_num, get_random_operation, operation
class TestMathGame(unittest.TestCase):
    def test_get_random_num(self):
        min_val = 1
        max_val = 10
        for _ in range(1000): # Test a large number of random values
            rand_num = get_random_num(min_val, max_val)
            self.assertTrue(min_val <= rand_num <= max_val)</pre>
    def test_get_random_operation(self):
        # TODO
        for _ in range(1000): # Test a large number of random values
           o = get_random_operation()
    def test_operation(self):
            test_cases = [
               (5,1,'*','5*1',5),
(0,0,'-','0-0',0),
(0,5,'*','0*5',0)
            for num1, num2, operator, expected_problem, expected_answer in test_cases:
                p,a = operation(num1,num2,operator)
                self.assertTrue(p==expected_problem)
                self.assertTrue(a==expected_answer)
if __name__ == "__main__":
    unittest.main()
```