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Thread: [My first project, a force calculator..](#)

LSD - June 28, 2020, 5:06 pm

My first free form project on Codeacademy.. a simple calculator.

```
Code train_mass = 22680
train_acceleration = 10
train_distance = 100
bomb_mass = 1
#
#
#
def get_force(mass, acceleration):
    return mass*acceleration
train_force = get_force(train_mass, train_acceleration)

print("The GE train supplies " + str(train_force) + " Newtons of Force.")

def get_energy(mass, c=3*10**8):
    return mass*c*c
bomb_energy = get_energy(bomb_mass)

print("A 1kg bomb supplies " + str(bomb_energy) + " Joules.")

def get_work(mass, acceleration, distance):
    return get_force(mass,acceleration)*distance
train_work=get_work(train_mass, train_acceleration, train_distance)

print("The GE train does "+str(train_work)+" Joules of work over "+str(train_distance)+" meters.")
The output for the defined variables is: Quote:The GE train supplies 226800 Newtons of Force.
A 1kg bomb supplies 90000000000000000 Joules.
The GE train does 22680000 Joules of work over 100 meters.
```

But you can input any numbers and it will output the proper calculations using the correct formula :)

4Txe4y33C9zvNhMj - June 29, 2020, 7:40 am

Cool project, have fun on your journey learning programming :)

greasyAlessandra - July 15, 2020, 2:55 am

Good Start , keep going :D