

# IP[y]: Notebook FirstNotebook (autosaved)

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In [4]: *# Calculates time, gallons of gas used, and cost of gasoline for  
# a trip*

```
distance = float(raw_input("Input distance of trip in miles: "))
mpg = 30.          # car mileage
speed = 60.        # average speed
costPerGallon = 4.10 # price of gas
```

```
time = distance/speed
gallons = distance/mpg
cost = gallons*costPerGallon
```

```
print("\nDuration of trip = {0:0.1f} hours".format(time))
print("Gasoline used = {0:0.1f} gallons (@ {1:0.0f} mpg)"
      .format(gallons, mpg))
print("Cost of gasoline = ${0:0.2f} (@ ${1:0.2f}/gallon)"
      .format(cost, costPerGallon))
```

Input distance of trip in miles: 450

```
Duration of trip = 7.5 hours
Gasoline used = 15.0 gallons (@ 30 mpg)
Cost of gasoline = $61.50 (@ $4.10/gallon)
```

In [ ]: