

In [1]:  *#Entered the variable information and the commands to calculate the # of people riding in each car*

```
cars = 100
space_in_a_car= 4.0
drivers = 30
passengars = 90
cars_not_driven = cars - drivers
cars_driven = drivers
carpool_capacity = cars_driven * space_in_a_car
average_passengars_per_car = passengars / cars_driven

print("There are", cars, "cars available.")
print("There are only", drivers, "drivers available.")
print("There will be", cars_not_driven, "empty cars today")
print("We have", passengars, "to carpool today.")
print("We need to put about", average_passengars_per_car, "in each car.")
```

There are 100 cars available.
There are only 30 drivers available.
There will be 70 empty cars today
We have 90 to carpool today.
We need to put about 3.0 in each car.

In [2]:  *# Entered the Variable information into the commands to then create basic statements about Octavia Butler*

```
my_name = "Octavia Butler"
my_occupation = "Syfy/Fantasy Writer"
my_age = 58
my_height = 74 #inches
my_weight = 200 # lbs
my_eyes = 'Blue'
my_teeth = 'White'
my_hair = 'Brown'

print(f"Lets talk about {my_name}.")
print(f"She is one of my favorite {my_occupation} atleast for the time being")
print("Should it be sci-fi or syfy?") #Sci-fi
print(f"She was {my_age} years old when she died")
print(f"This height of {my_height} inches tall is a made up.")
print(f"She did not have {my_eyes} nor {my_hair} hair ")
print(f"Like most people she likely had {my_teeth} teeth.")
print("This is a ridiculous thing to write")
```

Lets talk about Octavia Butler.
She is one of my favorite Syfy/Fantasy Writer atleast for the time being
Should it be sci-fi or syfy?
She was 58 years old when she died
This height of 74 inches tall is a made up.
She did not have Blue nor Brown hair
Like most people she likely had White teeth.
This is a ridiculous thing to write

```
In [3]: types_of_people = 10
x = f"There are {types_of_people} types of people."

binary = "binary"
do_not = "don't"
y = f"Those who know {binary} and those who {do_not}."

print(x)
print(y)

print(f"I said: {x}")
print(f"I also said: '{y}'")

hilarious = False

joke_evaluation = "Isn't that joke so funny?! {}"

print(joke_evaluation.format(hilarious))

w = "This is the left side of..."
e = "a string with a right side."

print(w + e)
```

There are 10 types of people.
Those who know binary and those who don't.
I said: There are 10 types of people.
I also said: 'Those who know binary and those who don't.'
Isn't that joke so funny?! False
This is the left side of...a string with a right side.

```
In [4]: print("Mary had a little lamb.")
print("Its fleece was white as {}".format('snow'))
print("And everywhere that Mary went.")
print("." * 10)

end1 = "C"
end2 = "h"
end3 = "e"
end4 = "e"
end5 = "s"
end6 = "e"
end7 = "B"
end8 = "u"
end9 = "r"
end10 = "g"
end11 = "e"
end12 = "r"

print(end1 + end2 + end3 + end4 + end5 + end6, end = '')
print(end7 + end8 + end9 + end10 + end11 + end12)
```

Mary had a little lamb.
Its fleece was white as snow.
And everywhere that Mary went.
.....
CheeseBurger

```
In [5]: # Created a name entry command
name = input("Enter you name:")

Enter you name:Maya
```

```
In [17]: # Printed my name from the entry above
print(f"Your name is {name}")

Your name is Maya
```

```
In [18]: # Provided the wattage variables and print the info provided  
wattage = "120 watt"  
incandescent = wattage  
wattage = "25 watt"  
print(incandescent, wattage)  
  
120 watt 25 watt
```

```
In [19]: # Calculated the area based on the provided variables and formula  
pi = 3.14  
r = 5  
area = pi * (r**2)  
print(area)  
  
78.5
```

```
In [ ]: 
```