In [1]:
```
#1
A = 90
B = 80
C = 70
D = 60

t1 = float(input("Enter score for test 1: "))
t2 = float(input("Enter score for test 2: "))
t3 = float(input("Enter score for test 3: "))

avg = (t1 + t2 + t3)/3

if avg >= A:
  print("Grade A")
elif avg >= B:
  print("Grade B")
elif avg >= C:
  print("Grade C")
elif avg >= D:
  print("Grade D")
else:
  print("Grade E")
```

```
Enter score for test 1: 85
Enter score for test 2: 95
Enter score for test 3: 62
Grade B
```

In [3]:
```
#2
weight = float(input("Enter the weight:"))
INITIAL_CHARGE = 6.00
if weight <= 2:
  print(f"Charge: {INITIAL_CHARGE + weight*1.50:.2f}")
elif weight <= 4:
  print(f"Charge: {INITIAL_CHARGE + weight*3.00:.2f}")
elif weight <= 6:
  print(f"Charge: {INITIAL_CHARGE + weight*4.00:.2f}")
else:
  print(f"Charge: {INITIAL_CHARGE + weight*4.75:.2f}")
```

```
Enter the weight:5.5
Charge: 28.00
```

In [4]:
```
#3
stats = ['Alabama','Alaska', 'Arizona', 'California', 'Idaho']
print(stats)
choice = input("Choose state from the above list: ").capitalize()
if choice == 'Alabama':
  capital = 'Montgomery'
  print(f"The capital of {choice} is {capital.upper()}.")

elif choice == 'Alaska':
  capital = 'Juneau'
  print(f"The capital of {choice} is {capital.upper()}.")

elif choice == 'Arizona':
  capital = 'Phoenix'
  print(f"The capital of {choice} is {capital.upper()}.")

elif choice == 'California':
  capital = 'Sacramento'
  print(f"The capital of {choice} is {capital.upper()}.")

elif choice == 'Idaho':
  capital = 'Boise'
  print(f"The capital of {choice.lower()} is {capital.upper()}.")
else:
  print("ERROR! Please enter right choice.")
```

```
['Alabama', 'Alaska', 'Arizona', 'California', 'Idaho']
Choose state from the above list: Idaho
The capital of idaho is BOISE.
```