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Two-Way Decisions with if and else ..

```
[2]: x = 4

if x > 2 :
    print("Bigger")
else :
    print("Smaller")

print("All Done")
```

Bigger
All Done

```
[9]: counter = 10
while counter > 0 :
    print("counter is", + counter)
    counter = counter - 1
print("Done")
```

counter is 10
counter is 9
counter is 8
counter is 7
counter is 6
counter is 5
counter is 4
counter is 3
counter is 2
counter is 1
Done

```
[13]: x = 10

if x < 2 :
    print("Small")
elif x < 10 :
    print("Medium")
```

```
else :  
    print("Large")  
  
print("All Done")
```

Large
All Done

Rewrite your pay computation to give the employee 1.5 times the hourly rate for hours worked above 40 hours.

Enter hours: 45 (a week) Enter Rate: 10 (an hour) Pay: 475.0

$475 = (40 * 10) + (5 * 15)$

```
[35]: print("Hello! Welcome to the Over-Time and a half Pay Calculator...")  
  
nRate = float (input("Enter your per hour $PayRate..."))  
  
normHours = float (input("Enter your normal hours per week..."))  
overHours = float (input("Enter the hours of overtime you worked in this_␣  
→week(Not including your normal hours)..."))  
  
totalPay = (nRate * normHours) + ((1.5 * nRate) * (overHours))  
  
print(totalPay)
```

Hello! Welcome to the Over-Time and a half Pay Calculator...
Enter your per hour \$PayRate... 12.75Enter your normal hours per week... 40Enter
the hours of overtime you worked in this week(Not including your normal
hours)... 10701.25

[0]: