```
# Making Decisions  in Python 2024

# remember 4 spaces over on indentation for conditional code
# if Statement


# Comparison operators   >,>=,<,<=,==, !=
# Logical operators       and, or


number = 1

# check if number is greater than 0
if number > 0:
    print("Number is positive.")
#---------------------------------------

number = 10

# if - else statement

if number > 0:
    print("Positive number")

else:
    print("Negative number")

# the following line is outside the if statement control
print("This statement is always executed")

#---------------------------------------------
# if - elif - else statement
number = 0

if number > 0:
    print("Positive number")

elif number == 0:
    print("Zero")
else:
    print("Negative number")

print("This statement is always executed")
```

```
# logical operators

x= 7
y=5

if x==7 and y==5:
   print("hello")
else:
   print("goodbye")

x=7
y=-5

if x==7 or y==5:
   print("hello")
else:
   print("goodbye")
```

# Exercises

#1 Write a program to find the maximum and minimum between three numbers entered.

#2 Write a program to find tax on an entered amount of income

# 0 - $10000 - tax rate 13%

#$10000 to $50000 - tax rate 25%

#$ 50000 + - tax rate 37.5%

#3 Write a program that asks you for a password. If the password equals “Bear Creek”, tell the user that #they are correct. If the password is not correct, then tell the user that they are incorrect.

#4 Write a program that has the user enter their age. If they are over 18, output “adult”, else output ”not an adult”