

```
modifier_ob.
 mirror object to mirror
mirror_mod.mirror_object
peration == "MIRROR_X":
mirror_mod.use_x = True
urror_mod.use_y = False
__mod.use_z = False
 operation == "MIRROR_Y"
lrror_mod.use_y = True
 lrror_mod.use_z = False
 _operation == "MIRROR_Z"
 irror_mod.use_x = False
 lrror_mod.use_y = False
 lrror_mod.use_z = True
 melection at the end -add
   ob.select= 1
  er ob.select=1
  ntext.scene.objects.action
  "Selected" + str(modifice
   irror ob.select = 0
  bpy.context.selected_obje
  lata.objects[one.name].se
 int("please select exaction
 OPERATOR CLASSES ----
    vpes.Operator):
    X mirror to the selected
   ject.mirror_mirror_x"
 ext.active_object is not
```



Topics to be covered:

- Python Conditions
- If-else Statement
- Python Loops

Python Conditions



- Equals: a == b
- Not Equals: a != b
- Less than: a < b
- Less than or equal to: a <= b
- Greater than: a > b
- Greater than or equal to: a >= b



```
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```

```
a=10
b=20
if a>b:
    print('a is greater')

else:
    print('b is greater')
    b is greater
```

```
a=10
b=10
if a>b:
    print('a is greater')

elif a==b:
    print('a is equal to b')

else:
    print('b is greater')
```

a is equal to b

Nested if

```
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```

```
a=10
b=50
if a<b:
    print('b is greater')
    if b<30:
        print('b is less than 30')
    else:
        print('b is greater than 30')</pre>
```

```
b is greater
b is greater than 30
```





• While loop:

```
i=1
while i < 10:
    print(i)
    i+=2</pre>
```

• Break statement:

```
i=1
while i < 10:
    print(i)
    if i==5:
        break
    i+=1</pre>
```

• For loop:

```
for x in 'mercedes':

print(x)

m
e
r
c
e
d
```

• Break statement:

```
cars=['bmw','mercedes','jaguar']
for i in cars:
    print(i)
    if i=='mercedes':
        break
```

bmw mercedes





```
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```
for i in range(1,50,5):
    print(i)
```

```
1
6
11
16
21
26
31
36
41
```



Nested loop:

```
cars=['mercedes','audi','bmw']
colour=['black','white','silver']
for x in cars:
    for y in colour:
        print(x,y)
```

```
mercedes black
mercedes white
mercedes silver
audi black
audi white
audi silver
bmw black
bmw white
bmw silver
```