

## Handy reference sheet 2 (Python 3)

Operator	Example	Equivalent to
==	x == y	x = y
*=	x *= 5	x = x * 5
/=	x /= 5	x = x / 5
+=	x += 5	x = x % 5
-=	x -= 5	x = x - 5

```
import random
```

This makes new commands (modules) available

```
1, 2, 3, 4, 5 or 6
Result is a random
number from 1 to 6
```

Gives  
the result

```
dieroll11 = random.randint(1,6)
print ("You rolled a", dieroll11)
```

### # A simple IF / ELSE statement might work like this...

```
password = input ("Enter password")
if password == "cheese":
    print("Access Granted")
else:
    print("Access Denied")
```

Gives  
the result

If user enters cheese when asked then prints Access Granted, otherwise prints Access Denied.

```
if x == x:
    do this
else:
    do this
```

### # A more complex IF / ELIF statement might work like this...

```
security = 0
username = ""
password = ""
while not username:
    username = input("Username:")
while not password:
    password = input("Password:")
if username == "Mr Plaice" and password == "cheese":
    print("Hello, Admin.")
elif username == "Mr Wood" and password == "chutney":
    print("Welcome, Mr Wood.")
elif username == "guest" and password == "visitor":
    print("Welcome, guest.")
else:
    print("Access Denied")
```

