From JJ to Java

1. Declaration of Constants

```
Constant name = expression
```

Constant declarations in Junior
- Constant MAX_COUNT = 100
- Constant PI = 3.14159

Constant Declarations in Java
- public static final int MAX_COUNT = 100;
- public static final double PI = 3.14159;

2. Declaration of Boxes (variables)

```
Box name ofType type is access
```

Declaration examples in Junior
- Box count ofType int is public
- Box cost ofType real is private
- Box over21 ofType bool is private

Declarations in Java
- public int count;
- private double cost;
- private boolean over21;

Similarly
- Boxes i,j,k ofType int are public
- Box name ofType class Str is private

```
Similarly
- public int i,j,k ;
- private String name;
```

3. Assignment of values

```
Set name = expression
```

Assignment examples in Junior
- Set count = 0
- Set count = count + 1
- Set area = PI * radius * radius

Assignment examples in Java
- count = 0 ;
- count = count + 1;
- area = PI * radius * radius ;

4. Declaration and Assignment can be done together in Java

```
int count = 0;
double radius = 12.34;
double area = PI * radius * radius;
```