Python to Java Basics

1. Variable Declaration

Python:

```python
x = 10
```

Java:

```java
int x = 10;
```

2. Function Definition

Python:

```python
def greet(name):
    print("Hello, " + name)
```

Java:

```java
public void greet(String name) {
    System.out.println("Hello, " + name);
}
```

3. If Statement

Python:

```python
if x > 5:
    print("Greater")
```

Java:

```java
if (x > 5) {
    System.out.println("Greater");
}
```

4. While Loop

Python:

```python
while x < 10:
    x += 1
```

Java:

```java
while (x < 10) {
    x += 1;
}
```

5. For Loop

Python:

```python
for i in range(5):
    print(i)
```

Java:

```java
for (int i = 0; i < 5; i++) {
    System.out.println(i);
}
```

6. List vs Array

Python:

```python
nums = [1, 2, 3]
```

Java:

```java
int[] nums = {1, 2, 3};
```

7. Class and Object

Python:

```python
class Dog:
    def __init__(self, w):
        self.w = w


d = Dog(25)
```

Java:

```java
public class Dog {
    int w;
    public Dog(int w) {
        this.w = w;
    }
}


Dog d = new Dog(25);
```