

Preparation for Week 2 Quiz

Enoch Lau 0415765

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1 Example Quiz

```
private static void printThis(int num)
{
    for (int i = 0; i < num; i++) {
        while (i < num) {
            System.out.print('*');
            i++;
        }
    }
}
```

2 Java Control Structures

2.1 if block

```
if (condition)
{
    // do things
}
else if (condition2)
{
    // do other things
}
...
else
{
    // do even more things
}
```

2.2 switch block

```
switch (variable)
{
    case CONSTANT1:
        // do things
        break;
    case CONSTANT2:
        // do things
    case CONSTANT3:
        // flow on from CONSTANT2!
        break;
    default:
```

```
        // do things
    }
```

2.3 for loop

```
for (int i = 0; i < n; i++)
{
    // do things
}
```

2.4 while loop

The above for loop is equivalent to:

```
int i = 0;
while (i < n)
{
    // do things
    i++;
}
```

3 Methods

```
accessmodifier returtype methodname(type name, ... )
{
    // do things
}
```