

While Statement

```
while (test-expr)
    body-statement;
```



Jump to Middle

```
goto test;
loop:
    body-statement;
test:
    t = test-expr;
    if (t)
        goto loop;
```



Do While

```
t = test-expr;
if ( !t)
    goto done;
do {
    body-statement;
} while (test-expr);
done:
```



Guarded Do

```
t = test-expr;
if ( !t)
    goto done;
loop:
    body-statement;
    t = test-expr;
    if (t)
        goto loop;
done:
```