



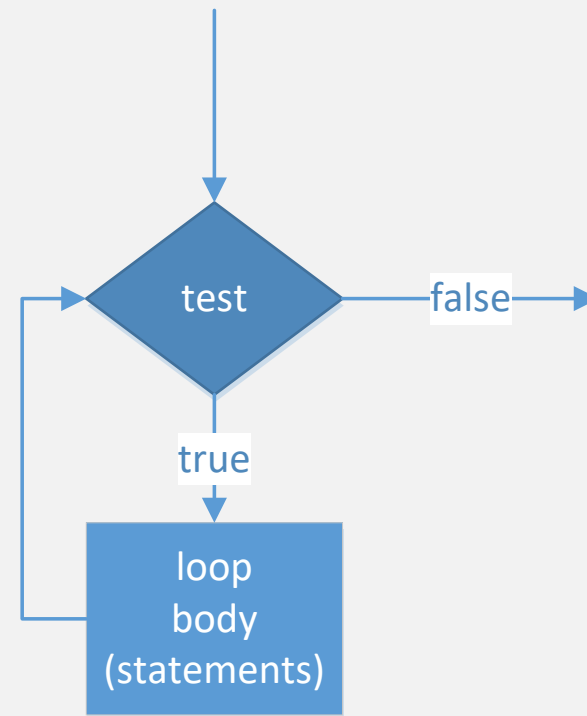
WHILE LOOPS

Test At The Top
Indeterminate Iteration

WHILE LOOP SYNTAX AND BEHAVIOR

```
while (test)
    statement;
```

```
while (test)
{
    statement1;
    . . .
    statementn;
}
```





WHILE LOOP EXAMPLES

```
int counter = 0;
while (counter < 10)           // prints 0 - 9
    cout << counter++ << " ";
```

```
int counter = 0;
while (counter > 10)           // no output
{
    cout << counter << " ";
    counter++;
}
```



FOR VS. WHILE LOOPS

FOR LOOP

```
for (init; test; update)
  statements;
```

WHILE LOOP

```
init;
while (test)
{
  statements;
  update;
}
```