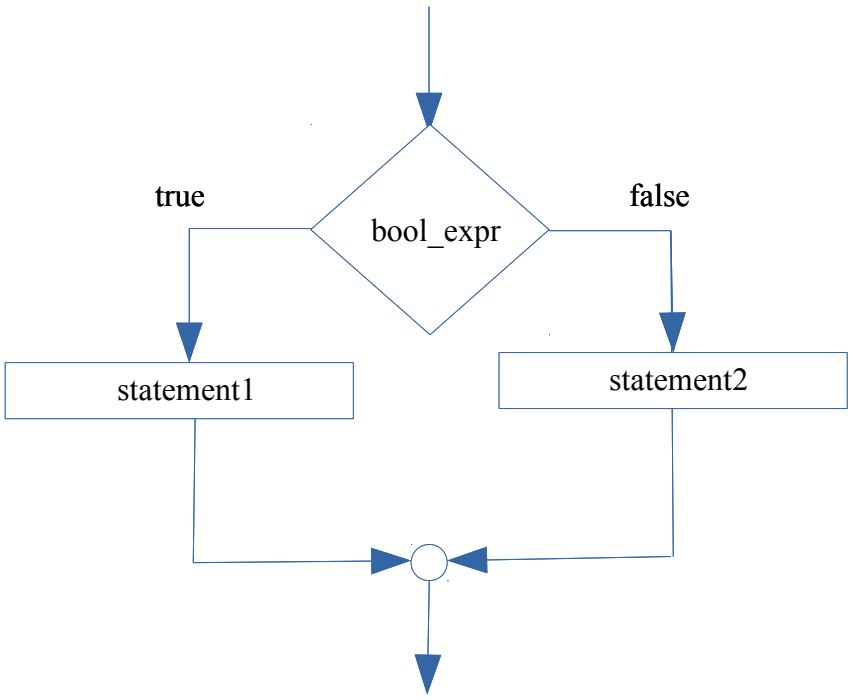
C++ `if` statement syntax with OPTIONAL `else`:

```
if (bool_expr)
{
    statement1;
}
else
{
    statement2;
}
```

`if` statement with OPTIONAL `else` semantics: