

```
498         else if (Scanner.TokenCode == WHILE)
499         {
500             GetNextToken();
501
502             saveTop = Quads.NextQuad();
503             branchQuad = RelExpression();
504
505             if (Scanner.TokenCode == DO)
506             {
507                 GetNextToken();
508                 Statement();
509                 Quads.AddQuad(BR, -1, -1, saveTop);
510                 Quads.SetQuadOp3(branchQuad, Quads.NextQuad());
511             }
512             else
513                 UnexpectedTokenError("DO");
514         }
```