

7. The program code below protects the rechargeable battery in an electric toothbrush.

```
...
Line 67 SET brushstop TO FALSE
Line 68 WHILE brushstop = FALSE DO
Line 69     SET battery TO <percentage of power left>
Line 70     SET temperature TO <temperature of battery>
Line 71     IF battery < 3 OR temperature > 45 THEN
Line 72         SET brushstop TO TRUE
Line 73     END IF
Line 74 END WHILE
Line 75 <switch toothbrush off>
...
```

- (a) State the logical operator in this code.

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- (b) Describe the purpose of the Boolean variable in this code.

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