

5. Below is an incomplete algorithm which is intended to check the username and password entered by a user. The user has 3 attempts.

```
1  Declare Subroutine LoginScreen
2  username is string
3  password is string
4  counter is integer
5  flag is boolean
6  set flag = false
7  set counter = 0
8  repeat
9   output "Type in username"
10  .....
11  .....
12  input password
13  .....
14   output "Username and password correct"
15   set flag = true
16  else
17   output "Username or password incorrect"
18  end if
19  set counter = counter + 1
20  .....
21 End Subroutine
```

Lines 10, 11, 13 and 20 are missing from the algorithm above. Using four of the lines of code below, complete this algorithm in the electronic answer document. [4]

- else is true
- if username = "User1" AND password = "Pass1" then
- input username
- input flag
- until counter = 3
- if username = "User1" OR password = "Pass1" then
- output "Type in password"