

Algorithm - Swapping Variables

Program/Algorithm to Swap Variables

It is strongly recommended that you: -

- (i) Type and Run the program into your editor
- (ii) Understand how the program is working
- (iii) Memorise the algorithm/program

Program

```
Line 1:  A = 6
Line 2:  B = 10
Line 3:  print("Initial Value of A is ", A)
Line 4:  print("Initial Value of B is ", B)
Line 5:  Temp = A      # Note, introduction of the 3rd
                        # variable Temp, So Temp = 6
Line 6:  A = B          # A becomes 10
Line 7:  B = Temp       # B becomes 6
Line 8:  print("Final Value of A is ", A)
Line 9:  print("Final Value of B is ", B)
```

Output

Initial Value of A is: 6

Initial Value of B is: 10

Final Value of A is: 10

Final Value of B is: 6