

Sample Assignment 2, 2020-09-17, *(Not graded)*

Question 1 (Passing parameters):

```
1  #include <iostream>
2
3  void swap(int* a, int b, int c) {
4      int temp = a[0];
5      a[0] = a[1];
6      a[1] = temp;
7      temp = b;
8      b = c;
9      c = temp;
10 }
11
12 int main() {
13     int arr[] = {1,2,3,4,5,6,7,8,9,10};
14     int b = 4, c = 5, d = 6;
15     swap(arr, b, c);
16     arr[++d] = d++;
17     for (int i = 0; i < 10; i++)
18         std::cout << arr[i] << " ";
19     std::cout << std::endl;
20     std::cout << b << " " << c << " " << d;
21 }
22
```

Please draw the memory content of the array `arr` and variables `b`, `c`, `d` after running the code.