

Task 2:

```
1  #include <iostream>
2  int main() {
3      // Switch statement
4      int choice = 1;
5      switch (choice) {
6          case 1:
7              std::cout << "You chose option 1." << std::endl;
8              break;
9          case 2:
10             std::cout << "You chose option 2." << std::endl;
11             break;
12          case 3:
13             std::cout << "You chose option 3." << std::endl;
14             break;
15          default:
16             std::cout << "Invalid choice." << std::endl;
17      }
18      // Continue and for loop
19      for (int i = 1; i <= 5; i++) {
20          if (i == 3) {
21              continue;
22          }
23          std::cout << "i = " << i << std::endl;
24      }
25      // Break and while loop
26      int j = 1;
27      while (j <= 5) {
28          std::cout << "j = " << j << std::endl;
29          j++;
30          if (j == 4) {
31              break;
32          }
33      }
34      // Do-while loop
35      int k = 1;
36      do {
37          std::cout << "k = " << k << std::endl;
38          k++;
39      } while (k <= 5);
40      return 0;
41  }
```

Output:

```
/tmp/sUCMCaxzCY.o  
You chose option 1.  
i = 1  
i = 2  
i = 4  
i = 5  
j = 1  
j = 2  
j = 3  
k = 1  
k = 2  
k = 3  
k = 4  
k = 5
```