

```
1  /// Week 5: Problem 12 operator_selection
2  #include <stdio.h>
3
4  int main() {
5      int x, y, z;
6      scanf("%d %d %d", &x, &y, &z);
7      if(z == 1) {
8          printf("%d", x + y);
9      } else if(z == 2) {
10         printf("%d", x - y);
11     } else if(z == 3) {
12         printf("%d", x * y);
13     } else if(z == 4 && y != 0) {
14         printf("%d", x / y);
15     } else if(z == 4 && y == 0) {
16         printf("cannot divide by zero");
17     } else if(z == 5 && y != 0) {
18         printf("%d", x % y);
19     } else if(z == 5 && y == 0) {
20         printf("cannot divide by zero");
21     }
22     return 0;
23 }
```