

```
1:      [* This test file should contain 20 errors *]
2:
3:      $$
4:      real realVarA ,realVarB , realVarC;
5:
6:      int XCoord, YCoord, ZCoord;
7:      int XCoord; [* duplicate symbol *]
8:      int aCoord, bCoord, cCoord;
9:      int operation;
10:
11:      boolean success;
12:
13:      realVarA = 10123; [* type mismatch *]
14:      realVarB = 610; [* type mismatch *]
15:      realVarC = 3; [* type mismatch *]
16:      XCoord = 20;
17:      YCoord = 912;
18:      ZCoord = 120;
19:      aCoord = true; [* type mismatch *]
20:      bCoord = false; [* type mismatch *]
21:      cCoord = unknown; [* undeclared variable *]
22:      unknown = cCoord; [* undeclared variable *]
23:      success = 420; [* type mismatch *]
24:
25:      realVarA = XCoord; [* type mismatch *]
26:
27:      get(operation);
28:
29:      while(operation ^= 0 ){
30:          if(operation == 1)
31:          {
32:              aCoord = realVarA + XCoord; [* type mismatch *]
33:              bCoord = realVarB + YCoord; [* type mismatch *]
34:              cCoord = realVarC + ZCoord; [* type mismatch *]
35:          }ifend
36:          if(operation == 2.0) [* type mismatch *]
37:          {
38:              aCoord = realVarA - XCoord; [* type mismatch *]
39:              bCoord = realVarB - YCoord; [* type mismatch *]
40:              cCoord = realVarC - ZCoord; [* type mismatch *]
41:          }ifend
42:          if(operation == 3)
43:          {
44:              aCoord = XCoord * 2;
45:              bCoord = YCoord * 1.5; [* type mismatch *]
46:              cCoord = ZCoord * ZCoord;
47:          }ifend
48:          if(operation == 45)
49:          {
50:              aCoord = realVarA / XCoord; [* type mismatch *]
51:              bCoord = realVarB / YCoord; [* type mismatch *]
52:              cCoord = realVarC / ZCoord; [* type mismatch *]
53:          }ifend
54:          if( operation > 4)
55:          {
56:              operation = 0;
57:          }ifend
58:          if (operation > 0)
59:          {
60:              operation = 0;
61:          }ifend
62:          operation = operation - 1;
63:      }whileend
64:
65:
66:      put(aCoord);
67:      put(bCoord);
68:      put(cCoord);
69:
70:      $$
```