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What should be data type of case labels of switch statement in C?

In C switch statement, the expression of each case label must be an integer constant expression.

For example, the following program fails in compilation.

```
/* Using non-const in case label */
#include<stdio.h>
int main()
 int i = 10;
 int c = 10;
  switch(c)
    case i: // not a "const int" expression
         printf("Value of c = %d", c);
         break;
    /*Some more cases */
  getchar();
  return 0;
```

Run on IDE

Putting *const* before *i* makes the above program work.

```
#include<stdio.h>
int main()
  const int i = 10;
 int c = 10;
  switch(c)
    case i: // Works fine
        printf("Value of c = %d", c);
        break;
    /*Some more cases */
  getchar();
  return 0;
```

Run on IDE

Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above.



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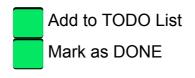


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