

Java → Basic syntax and simple programs → Control flow statements → [Switch statement](#)

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Switch statement → Rewriting code using switch

Medium ⌚ 2 minutes ?

Here is a piece of code that uses the conditional statement **if-else-if**.

```
1  if (val == 1) {
2      System.out.println("ONE");
3  } else if (val == 2) {
4      System.out.println("TWO");
5  } else if (val == 3){
6      System.out.println("THREE");
7  } else {
8      System.out.println("UNKNOWN NUMBER");
9  }
```

How can you rewrite this code using a switch statement? Check all possible options.

a)

```
1  switch (val) {
2      case 1: System.out.println("ONE");
3      case 2: System.out.println("TWO");
4      case 3: System.out.println("THREE");
5      default: System.out.println("UNKNOWN NUMBER");
6  }
```

b)

```
1  switch (val) {
2      case 1: System.out.println("ONE");
3          break;
4      case 2: System.out.println("TWO");
5          break;
6      case 3: System.out.println("THREE");
7          break;
8  }
```

c)

```
1  switch (val) {
2      case 1: System.out.println("ONE");
3          break;
4      case 2: System.out.println("TWO");
5          break;
6      case 3: System.out.println("THREE");
7          break;
8      default: System.out.println("UNKNOWN NUMBER");
9  }
```

d)

```
1  switch (val) {
2      case 1: System.out.println("ONE");
3          break;
4      case 2: System.out.println("TWO");
5          break;
6      case 3: System.out.println("THREE");
7          break;
8      case 4: System.out.println("UNKNOWN NUMBER");
9          break;
10
11      default: System.out.println("UNKNOWN NUMBER");
12
13  }
```

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↵ Select one or more options from the list

- ☐ a
- ☐ b
- ☒ c
- ☒ d

✓ Correct.

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