How long until the weekend?

**Syntax checklist**

If you are faced with an **error message**, read it carefully and try to fix the problem.

Use the list below to check for common errors (and tick ✓ if you find yours).

|  |  |
| --- | --- |
|  | misspelled if, elif, or else (this includes using capitals) |
|  | forgot the colon : at the end of a line containing if, elif, or else |
|  | neglected to **indent** statements in the if–block, elif–block, or else–block |
|  | indented if, elif, or else by mistake |
|  | used = instead of == in a condition, to check if two values are equal |
|  | used quotes around the name of a variable |
|  | forgot to use quotes around a string literal (like "Monday") |

Task .

**Step 1**

**Open** this **incomplete** program on Bourne to Learn:

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7 | print("What day is it today?")  day = int(input())  if day <= 4:  print("It’s a weekday")  remaining = .  else:  print("It’s the weekend!") |

**Remember**: The program uses **an integer (number) for each day of the week**, ranging from 0 for Monday to 6 for Sunday. Here’s a handy reference:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |

**Step 2**

**Complete** line 5, so that the value of remaining is the number of days left until the weekend (including the current day).

**Tip:** Think about which **integer** represents Saturday and then subtract the day variable value from it. Choose from one of the options below

1. 5 – day
2. 3 – day
3. 6 – day

**Step 3**

**Insert** the line below in your program, it has to be just under where you first used the **remaining** variable.

|  |  |
| --- | --- |
|  | print(remaining, "days until the weekend") |

**Step 4**

**Extend** the program so that Friday (day 4) is treated differently, with a different message displayed than for the rest of the weekdays. Remember the format is **if** then **elif** then **else**

First, **amend** line 3 to remove the equals symbol

|  |  |
| --- | --- |
| 3 | if day < 4: |

Second, **add** the three lines of code below in the correct location (**if - elif – else**) and **complete** the missing code. Remember, this is for Friday so use the **integer (number)** for Friday.

|  |  |
| --- | --- |
|  | elif day == .:  print("It’s Friday")  print("Just a day left until the weekend") |

Explorer task . The actual day of the week

Instead of asking the user to type the current day of the week, the program can retrieve the actual day, using the datetime module.

**Replace** the lines that receive user input (marked with -) with the lines that retrieve the current day of the week (marked with +).

|  |  |
| --- | --- |
| -  - | print("What day is it today?")  day = int(input()) |
| +  + | from datetime import datetime  day = datetime.now().weekday() |

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