

# LU10.L01: Quartal ermitteln

```
"""
Finds the quarter of the school year given a date.
"""

import sys
from datetime import datetime

def main():
    """
    the main routine
    """
    if len(sys.argv) == 1:
        date = datetime.now()
    else:
        date = datetime.strptime(sys.argv[1], '%Y%m%d')

    # get the month from the date
    month = date.month
    if 8 <= month <= 10:
        quarter = 'Q1'
    elif 11 <= month <= 1:
        quarter = 'Q2'
    elif 2 <= month <= 4:
        quarter = 'Q3'
    else:
        quarter = 'Q4'

    # print the data dd.mm.yyyy and the quarter
    print(f'{date.day}.{date.month}.{date.year}: {quarter}')

if __name__ == '__main__':
    if len(sys.argv) > 2:
        print('Usage: python sys.argv[0] [DATE]')
        sys.exit(1)
    main()
```

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Last update: **2025/01/09 09:35**

