

```
"""The garmin_helpers module provides several support functions to ease
handling of the garmin activity file by the Activity class methods."""
```

```
from decimal import Decimal
from datetime import datetime, time
from typing import Union
```

```
def garmin_to_int(string: str) -> Union[None, int]:
    """Convert a Garmin activity field to an integer
    or return None if the field cannot be converted."""

    # Garmin uses "--" or "0" to indicate None.
    # Garmin integer strings can include commas, we remove those
    # before attempting to cast the string to an int.

    if not string or string == "--" or string == "0":
        return None
    if "," in string:
        string = string.replace(",", "")
    return int(string)
```

```
def garmin_to_decimal(string: str) -> Union[None, Decimal]:
    """Convert a Garmin activity field to a Decimal
    or return None if the field cannot be converted."""

    # Garmin uses "--" or "0" to indicate None.
    # Garmin number strings can include commas, we remove those
    # before attempting to cast the string to a Decimal.

    if not string or string == "--" or string == "0":
        return None
    if "," in string:
        string = string.replace(",", "")
    return Decimal(string)
```

```
def garmin_to_time(string: str) -> Union[None, time]:
    """Convert a Garmin activity field in the form minutes:seconds
    to a datetime.time object or return None if the field cannot be
    converted."""

    # Garmin uses "--" or "0" to indicate None.

    if not string or string == "--" or string == "0":
        return None
    return datetime.time(datetime.strptime(string, "%M:%S"))
```