—: LAB : 08 :—

✿ **Meanmax Using Python :—**

→ meanmax - mapper.py

```
import sys

for line in sys.stdin:
    line = line.strip()
    if len(line) < 93:
        continue
    month = line[19:21]
    if line[87] == '+':
        temperature = int(line[88:92])
    else:
        temperature = int(line[87:92])
    quality = line[92:93]
    if temperature != MISSING and quality in
    ('0', '1', '4', '5', '9'):
        print(f"{month}\t{temperature}")
```

→ meanmax - reducer.py

```
import sys

current-month = None
temps = []

def emit_average(month, temp_list):
    max_temp = 0
    total = 0
    count = 0
```

```
        days = 0

        for t in temp-list:
            if t > max-temp:
                max.temp = t
            count += 1

        if count == 3:
            total += max-temp
            max-temp = 0
            count = 0
            days += 1

        if days > 0:
            average = total // days
            print(y"{month} {average}")

        for line in sys.stdin:
            line = line.strip()
            if not line:
            continue
            month, temp = line.split('\t')
            temp = int(temp)

            if current_month == month:
                temps.append(temp)

    else:
        if current_month:
            emit-average(current-month, temps)
        current_month = month
        temps = [temp]
```