Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct 2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license" for more information.

>>> exam = ["Japanese", "Korean", "Chinese", "English"]

>>>

>>>

>>> date = ["21-06-2022", "21-06-2022", "21-06-2022", "25-06-2002"]

>>>

>>>

>>>

>>> exam\_dates = list(zip(exam, date))

>>>

>>>

>>>

>>> print(f"{exam}: {date}")

File "<stdin>", line 1

print(f"{exam}: {date}")

IndentationError: unexpected indent

>>>

>>>

>>> for exam, date in exam\_dates:

... print(f"{exam}: {date}")

...

Japanese: 21-06-2022

Korean: 21-06-2022

Chinese: 21-06-2022

English: 25-06-2002

>>>

>>>

>>> exam\_dates.sort(key=lambda x: x[0],reverse=True)

>>> for exam, date in exam\_dates:

... print(f"{exam}: {date}")

...

Korean: 21-06-2022

Japanese: 21-06-2022

English: 25-06-2002

Chinese: 21-06-2022

>>>

>>>

>>> exams = ["Japanese", "Korean", "Chinese", "English"]

>>>

>>> dates = ["21-06-2022", "21-06-2022", "21-06-2022", "25-06-2002"]

>>>

>>>

>>> import datetime

>>>

>>> date\_objects = [datetime.datetime.strptime(date, '%Y-%m-%d').date() for date in dates]

Traceback (most recent call last):

File "<stdin>", line 1, in <module>

File "C:\Users\USER\AppData\Local\Programs\Python\Python312\Lib\\_strptime.py", line 555, in \_strptime\_datetime

tt, fraction, gmtoff\_fraction = \_strptime(data\_string, format)

^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

File "C:\Users\USER\AppData\Local\Programs\Python\Python312\Lib\\_strptime.py", line 333, in \_strptime

raise ValueError("time data %r does not match format %r" %

ValueError: time data '21-06-2022' does not match format '%Y-%m-%d'

>>>

>>>

>>> date\_objects = [datetime.datetime.strptime(date, '%d-%m-%Y').date() for date in dates]

>>>

>>> exam\_data = list(zip(exam, date\_objects))

>>>

>>>

>>> exam\_data.sort(key=lambda x: x[1])

>>>

>>>

>>> for exam, date in exam\_data:

... print(f"{exam}: {date.strftime('%d-%m-%Y')}")

...

n: 25-06-2002

C: 21-06-2022

h: 21-06-2022

i: 21-06-2022

>>>

>>>

>>> exam\_data.sort(key=lambda x: x[1], reverse=True)

File "<stdin>", line 1

exam\_data.sort(key=lambda x: x[1], reverse=True)

IndentationError: unexpected indent

>>>

>>>

>>> exam\_data1 = list(zip(exams, date\_objects))

>>>

>>> exam\_data1.sort(key=lambda x: x[1], reverse=True)

>>>

>>>

>>> for exam, date in exam\_data:

... print(f"{exam}: {date.strftime('%d-%m-%Y')}")

...

n: 25-06-2002

C: 21-06-2022

h: 21-06-2022

i: 21-06-2022

>>>

>>>

>>> for exams, date in exam\_data1:

... print(f"{exams}: {date.strftime('%d-%m-%Y')}")

...

Japanese: 21-06-2022

Korean: 21-06-2022

Chinese: 21-06-2022

English: 25-06-2002

>>>

>>>

>>>

>>> earliest\_exam = min(exam\_data, key=lambda x: x[1])

>>>

>>> earliest\_course = earliest\_exam[0]

>>> earliest\_date = earliest\_exam[1].strftime('%d-%m-%Y')

>>> print(f"Earliest Exam: {earliest\_course} on {earliest\_date}")

Earliest Exam: n on 25-06-2002

>>>

>>>

>>> latest\_exam = max(exam\_data, key=lambda x: x[1])

>>>

>>>

>>> latest\_course = latest\_exam[0]

>>> latest\_date = latest\_exam[1].strftime('%d-%m-%Y')

>>> print(f"latest Exam: {latest\_course} on {latest\_date}")

latest Exam: C on 21-06-2022

>>> print(f"latest Exam: {latest\_course} on {latest\_date}")

latest Exam: C on 21-06-2022

>>>

>>>

>>> exams\_by\_date = {}

>>> for exam, date in exam\_data:

... if date not in exams\_by\_date:

... exams\_by\_date[date] = []

... exams\_by\_date[date].append(exam)

...

>>>

>>>

>>>

>>> for date in exams\_by\_date:

... exams\_by\_date[date].sort()

...

>>>

>>> for date, exams in exams\_by\_date.items():

... print(f"Exams on {date.strftime('%Y-%m-%d')}: {', '.join(exams)}")

...

Exams on 2002-06-25: n

Exams on 2022-06-21: C, h, i

>>>