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1. Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included). The numbers obtained should be printed in a comma-separated sequence on a single line. Consider use range(#begin, #end) method


```
l=range(2000,3201)
for i in l:
    if (i%7==0) and (i%5!=0):
        print(i,end=" ")
```

```
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.
>>>
= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Python312/WEEK_4_PY_
LAB.py
2002 2009 2016 2023 2037 2044 2051 2058 2072 2079 2086 2093 2107 2114 2121 2128
2142 2149 2156 2163 2177 2184 2191 2198 2212 2219 2226 2233 2247 2254 2261 2268
2282 2289 2296 2303 2317 2324 2331 2338 2352 2359 2366 2373 2387 2394 2401 2408
2422 2429 2436 2443 2457 2464 2471 2478 2492 2499 2506 2513 2527 2534 2541 2548
2562 2569 2576 2583 2597 2604 2611 2618 2632 2639 2646 2653 2667 2674 2681 2688
2702 2709 2716 2723 2737 2744 2751 2758 2772 2779 2786 2793 2807 2814 2821 2828
2842 2849 2856 2863 2877 2884 2891 2898 2912 2919 2926 2933 2947 2954 2961 2968
2982 2989 2996 3003 3017 3024 3031 3038 3052 3059 3066 3073 3087 3094 3101 3108
3122 3129 3136 3143 3157 3164 3171 3178 3192 3199
>>>
```

2. Write a python program to check whether a number is divisible by 5 and 11 or not.

```
n=int(input("Enter a positive integer:"))
if n%5==0 and n%11==0:
    print("Given Number is Divisible by 5 and 11")
else:
    print("Given Number is Not Divisible by 5 and 11")
```

```
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct  2 2023, 13:03:39) [
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more in
>>>
= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Py
LAB.py
Enter a positive integer:55
Given Number is Divisible by 5 and 11
>>>
= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Py
LAB.py
Enter a positive integer:49
Given Number is Not Divisible by 5 and 11
>>>
```

3. Write a python program to check whether a character is alphabet or not.

```
a=input("Enter a character: ")
if (a>="a" and a<="z") or (a>="A" and a<="Z"):
    print("Given character is an alphabet.")
else:
    print("Given character is not an alphabet.")
```

```
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.
>>>
= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Python312/WEEK_4_PY_
LAB.py
Enter a character: b
Given character is an alphabet.
>>>
= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Python312/WEEK_4_PY_
LAB.py
Enter a character: 2
Given character is not an alphabet.
>>>
```

4. Write python program to input any character & check whether it is alphabet, digit or special character.

```
a=input("Enter a character: ")
if (a>="a" and a<="z") or (a>="A" and a<="Z"):
    print("Given character is an alphabet.")
elif a>="0" and a<="9":
    print("Given character is a number.")
else:
    print("Given character is a special character.")
```

```
- RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Pyth
Enter a character: 5
Given character is a number.

= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Pyth
Enter a character: a
Given character is an alphabet.

= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Pyth
Enter a character: %
Given character is a special character.
```

5. Write a python program to check whether a character is uppercase or lowercase alphabet.

```
a=input("Enter a character: ")
if a>="a" and a<="z":
    print("Given character is a lowercase alphabet.")
elif a>="A" and a<="Z":
    print("Given character is an uppercase alphabet.")
else:
    print("Given character is not an alphabet.")
```

```
= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Python31
LAB.py
Enter a character: a
Given character is a lowercase alphabet.

= RESTART: C:/Users/23bce7086/AppData/Local/Programs/Python/Python31
LAB.py
Enter a character: Z
Given character is an uppercase alphabet.
```

6. Write a python program to input week number and print week day.

```
n=int(input("Enter a week number(1-7):"))
if n==1:
    print("Monday")
elif n==2:
    print("Tuesday")
elif n==3:
    print("Wednesday")
elif n==4:
    print("Thursday")
elif n==5:
    print("Friday")
elif n==6:
    print("Saturday")
elif n==7:
    print("Sunday")
else:
    print("Enter a weekday number between 1 to 7.")
```

```
Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct  2 20
AMD64)] on win32
Type "help", "copyright", "credits" or "licens

= RESTART: C:/Users/23bce7086/AppData/Local/Pr
LAB.py
Enter a week number(1-7):5
Friday

= RESTART: C:/Users/23bce7086/AppData/Local/Pr
LAB.py
Enter a week number(1-7):7
Sunday

= RESTART: C:/Users/23bce7086/AppData/Local/Pr
LAB.py
Enter a week number(1-7):10
Enter a weekday number between 1 to 7.
```

7.Write a python program to count total number of notes in given amount.

```python
amt=int(input("Enter an amount: "))
a=[2000,500,200,100,50,20,10,5,2,1]
for i in range(8):
    print("Rs.",a[i],"notes will be ",amt//a[i])
    amt=amt%a[i]
```

```
= RESTART: C:/Users/23bce7086/AppData/Local
LAB.py
Enter an amount: 5116
Rs. 2000 notes will be  2
Rs. 500 notes will be  2
Rs. 200 notes will be  0
Rs. 100 notes will be  1
Rs. 50 notes will be  0
Rs. 20 notes will be  0
Rs. 10 notes will be  1
Rs. 5 notes will be  1
>>>
```