1)Write a Python program to find those numbers which are divisible by 7 and multiples of 5, range has to given by the user

---

```
nl = []
for x in range(1500, 2701):
    if (x % 7 == 0) and (x % 5 == 0):
        nl.append(str(x))
print(','.join(nl))
```

2)Write a Python program that accepts a string and calculates the number of digits and letters.

```
s = input("Input a string")
d = l = 0
for c in s:
    if c.isdigit():
        d = d + 1
    elif c.isalpha():
        l = l + 1
    else:
        pass
print("Letters", l)
print("Digits", d)
```

3)Write a program to display the first 7 multiples of 7

```
count = 0
```

```
for i in range(200):
    if i%7 == 0:
        print(i,end=" ")
        count = count+1
        if count == 8:
            break

# output
# 0 7 14 21 28 35 42 49
```

4)separate positive and negative number from a list.

Given x = [23, 4, -6, 23, -9, 21, 3, -45, -8]

Expected output

Result:

Positive: [23, 4, 23, 21, 3] Negative: [-6, -45, -9, -8]

```
x = [23,4,-6,23,-9,21,3,-45,-8]
pos = []
neg = []
for i in range(len(x)):
    if x[i] < 0:
        neg.append(x[i])
    else:
        pos.append(x[i])
print("Positive numbers are: ",pos)
print("Negative numbers are: ",neg)

# output
# Positive numbers are:  [23, 4, 23, 21, 3]
# Negative numbers are:  [-6, -9, -45, -8]
```

5) Write a program to fetch only even values from a dictionary.

Hint 1

dic = {‘val1’:10, ‘val2’:20, ‘val3’:23, ‘val4’:22 }

Expected output

Result : 10 20 22

```
dic = {'val1':10, 'val2':20, 'val3':23, 'val4':22 }
for i in dic.values():
    if i % 2 ==0:
        print(i,end=" ")
    else:
        pass

# output
# 10  20  22
```

6)fibonanci series

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7)amstrong number

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8)pattern printing

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9)integer reverse

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10)Write a Python program to get the frequency of elements in a list.
