

# 2140232\_lab\_revision3

July 31, 2022

lab revision 3

22140232

```
[ ]: # display all digits whose sum of digits is an even number
```

```
for i in range(100,201):  
    s = 0  
    k = i  
    while k > 0:  
        h = k%10  
        s = s + h  
        k = k//10  
    if s%2 == 0:  
        print(i)  
    else:  
        continue
```

101  
103  
105  
107  
109  
110  
112  
114  
116  
118  
121  
123  
125  
127  
129  
130  
132  
134  
136  
138  
141

143  
145  
147  
149  
150  
152  
154  
156  
158  
161  
163  
165  
167  
169  
170  
172  
174  
176  
178  
181  
183  
185  
187  
189  
190  
192  
194  
196  
198  
200

```
[ ]: l = [12,4,6,8,8,4,2,4,7,8,34,23,1,1,1,1]
```

```
for i,v in enumerate(l):  
    if i%2 != 0:  
        print(v)
```

4  
8  
4  
4  
8  
23  
1  
1

```
[ ]: #printing pattern
```

```
for i in range(-4,5):  
    print("# "*(5-abs(i)))
```

```
#  
# #  
# # #  
# # # #  
# # # # #  
# # # #  
# # #  
# #  
#
```

```
[ ]: for i in range(-4,5):  
    print(" "*abs(i)+"# "*(5-abs(i)))
```

```
#  
# #  
# # #  
# # # #  
# # # # #  
# # # #  
# # #  
# #  
#
```

```
[ ]: for i in range(-4,5):  
    print(" "*abs(i)+"* "*(5-abs(i))+"* "*(5-abs(i)-1))
```

```
*  
* * *  
* * * * *  
* * * * * * *  
* * * * * * * *  
* * * * * * * *  
* * * * * *  
* * * *  
*
```

```
[ ]: # find the sum of series 2,22,222,2222 upto n terms
```

```
n = 5  
  
f = 2  
s= 0  
for i in range(n):
```

```
s += f
f= f*10 +2

print(s)
```

24690

```
[ ]: sum(int("2"*(i+1)) for i in range(int(input("enter the number of terms : "))))
```

enter the number of terms : 7

```
[ ]: 2469134
```