

PROG 3(b)

AIM:

To write a python function even digit(lower, upper) which will find all numbers between the lower and upper limit such that each digit of number is an even number.

SOURCE CODE:

```
L = []
```

```
def evendigit1(lower, upper):  
    for i in range(lower, upper+1):  
        L.append(i)  
        for j in str(i):  
            if int(j) % 2 != 0:  
                L.remove(i)  
                break  
    return L
```

```
a, b = map(int, input("Enter Lower and Upper Limit: ").split())
```

```
y = evendigit1(a, b)  
print(y)
```

OUTPUT:

```
Enter Lower and Upper Limit: 0 100
```

```
[0, 2, 4, 6, 8, 20, 22, 24, 26, 28, 40, 42, 44, 46, 48, 60, 62, 64, 66, 68, 80, 82, 84, 86, 88]
```

RESULT:

Thus the program is executed and the output is verified successfully.