After if else and loops: 1) For loop to point the first 5 integers from 0 to 4 2) Create a list of the first
10 integers from 1 to 10 and
iterate over the list to
remove the even numbers. 3) Write a list amprehension to print the first 5 square integers ie (1,4,9,16,25)

After functions 4) Write a finction that takes list dement by dement. Borns: in overerse order. 5) Write a function that takes a list and an index and veturns the values of the neighbours, eg for [1,2,3] and index 1 should return [1,3] 6) Write a function that takes a string and returns every other letter eg: input stars output sas

```
Solvtions
1) for i in range (5):
print (i)
```

```
l = [element for element in range(1,11) if (element % 2)!=0]
3) l = [x \times x \text{ for } x \text{ in range}(1,6)]
4) def print-list (l):
for i in range (len(1)):
print (LEIT)
```

2)

Downs:

def print-list-reverse(l):

Lestindex-1 from

from

No 4) Homs: for ; in range (len(1)-1,-1,-1) eist(-1)-remember down to 0 print (([i]) what appears as the second limit is not inclusive eq: print (range(1,3)) outpufs [1,2] (3 not included)

```
5) def neighbours (l, i):
        if ;== land()-1;
           return [[[i-i]]
        elif i==0 i
            return [[[i+1]]
        0, 50:
          raturn [[[:-1], [[:+1]]
```

```
6) def every-other (str):
count = 0
        rusult = "
        for letter in str:
            if count 7. 2 == 0;
                 result = result + letter
           Cornt += 1
        return result
```