# 10075 find Ho square La [0,1,4,9,16 - - - 3 7091 ; in nange(5): 6=63 (2) 1091 i in garge (5): L-append(ixx2) Polint (L)

Bis Paint the list of odd & over mumber separtly L 7/1, 9, 2, 5, 4, 12 S  $\theta/2 = 0000 = 7,9,5$   $\theta = 6,2,4,12$  $9 > 9/2 = ) 4 \Rightarrow 1$ 8/2 = 34 = 309%2 =) q°/02 => 0

1091 in starge (N) if(L(i)) = 0)P. 047/1000 (1(i)) n. appord (2[i3]) Parint (P) Pair / (n)

perpola Jost in grange (5) IN i==4: break Pairs (1) # Continue 1091 i in stange(5)

11 (i==4):

12 Continue 74m/ (2)

# User defined functions L> get of code used to perform

Particular fast -> Code Resposibility -> less Coding How bo (sepate junction (+1/3009 des junction-name () =

paint ("Ilus is my 1st junction

done ")

Calling a junction

def dema():

Paint("this is my 1st junction

dento")

demo ()

des address () =

Jeinf ("Anudip jundation")

Peint ("Ido/Kaha")

Peint ("88023781009")

# 109 ? in sange(5)

= 2 infut("Enfor your name")

= 6 = infut("Enfor your name")

= 6 = infut("Enfor your name")

= 0 closess()

1=1 1=2 A910 U AnKi / Tushor PS → → → AF → → PMO —

des demo (name): # parameters Paint (name) demo("Aruu") # argument Di swaying of 2 number  $\frac{\partial}{\partial a} = \frac{\partial}{\partial a}$ 50/n. 6 = 8 paint(a) # 20 paint(b) # 20

$$femp = a$$

$$a = b$$

$$b = femp$$

10

a+16-16

$$0 = 20$$

$$6 = 40$$

$$\begin{array}{c}
O = 20 \\
b = 40
\end{array}$$

$$\begin{array}{ll}
2 & a = 10 \\
6 = 20 \\
a = a + 6 & || 30 \\
b = a - b & || a + b - b = 10 \\
a = a - b & || 30 - 10 = 20
\end{array}$$

(3) 
$$a=10$$
 $b=20$ 
 $b=20$ 
 $a=6$ 
 $a=6$ 

approach 1: élevate over list, 2 cheek woather the no is Japperat on not  $O(N^2)$ 7 - 0 3 1/4 N 7 6 9 3 2

you to take character as infut # a= input ("Entor the character") # Agrun point (a) # 6 Paint (a) (0123)

```
ch = input("Enter the word")
ppint(ch[0])
```

```
ch = input("Enter the word")[0]
ppint(ch)
```

Evaluating the Expenssion

```
result = eval(input("Enter the expression"))
print(result)
```

 $3 = 1 = 100 = \frac{1}{100} = \frac{$ 

```
def find(n): 1 usage
    if n<=100:
        print("Your bill is ", n*5)
    elif(n > 100 and n <= 200):
        print("Your bill is ", n * 10)
    elif (n > 200 \text{ and } n \le 500):
        print("Your bill is ", n * 20)
    else:
        print("Your bill is ", n * 30)
for i in range(3):
    a = input("Enter your name")
    n = int(input("Enter your Unit Consumed"))
    find(n)
```

```
def demo(first_name): 3 usages
    print("Hello" + " " + first_name)

demo("Arun")
demo("Amit")

demo("Abhishek")
```

```
def demo(first_name, last_name): 3 usages
    print(first_name + " " + last_name)

demo(first_name: "Arun", last_name: "Sharma")
demo(first_name: "Amit" , last_name: "yaday")

demo(first_name: "Abhishek", last_name: "Gupta")
```

Estering
Lossequence of character

ASCII

Agua Kumar Sharma

--3-2-1