

Main lista L1;

L1. Promedio(23456)

```
void lista::Promedio(int num)//23456 2+3+4+5+6=20
```

```
{  
    if (num == 0)  
        cout << "Suma igual a 0";  
    else
```

```
    {  
        while (num!=0)//23456 si 2345 si 234 si 23 si 2 si 0x
```

```
        {  
            int temp=num%10; //6 5 4 3 2  
            InsertarInicio(temp); //2->3->4->5->6->null  
            num=num/10; //2345 234 23 2 0  
        }  
        // aux
```

```
        int suma=0; //2->3->4->5->6->null  
        //suma=0
```

```
        pnode aux=primero;
```

```
        while(aux !=NULL) X
```

```
        {  
            suma=suma+aux->valor; //0+2=2 2+3=5 5+4=9 9+5=14 14+6=20  
            aux=aux->siguiente;
```

```
        }  
        int larg=largoLista(); 5
```

```
        cout<<suma/larg<<endl; //20/5=4
```

```
    }  
}
```

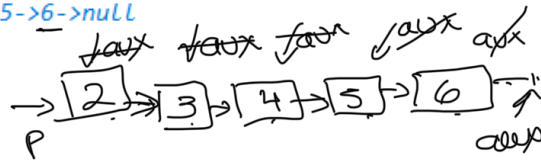
Suma

$$\begin{aligned} 0+2 &= 2 \\ 2+3 &= 5 \end{aligned}$$

$$5+4=9$$

$$9+5=14$$

$$14+6=20$$



```
void lista::Sumanum(int num) //23456 2+3+4+5+6=20
{
```

```
    if (num == 0)
        cout << "Suma igual a 0";
    else
```

```
    {
        while (num != 0) //23456 si 2345 si 234 si 23 si 2 si 0x
        {
```

```
            int temp=num%10; //6 5 4 3 2
            InsertarInicio(temp); //2->3->4->5->6->null
            num=num/10; //2345 234 23 2 0
        } // aux
```

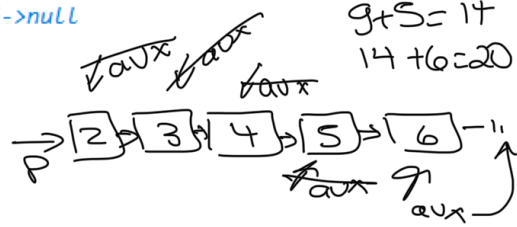
```
        int suma=0; //2->3->4->5->6->null
        //suma=0
        pnode aux=primero;
        while(aux != NULL)
```

```
        {
            suma=suma+aux->valor; //0+2=2 2+3=5 5+4=9 9+5=14 14+6=20
            aux=aux->siguiente;
```

```
        }
        cout<<suma<<endl; //20
    }
}
```

0 2 4 6 8  
1 3 5 7 9  
23456

Suma=0  
0+2=2  
2+3=5  
5+4=9  
9+5=14  
14+6=20



void  
1. Metodo Recorre (int num)

num=0 → 0x2 → 0

if aux->valor % 2 == 0 else

aux->valor = aux->valor \*\* 2

else

aux->valor =

aux->valor \*\* 3



Li. Mostrar()