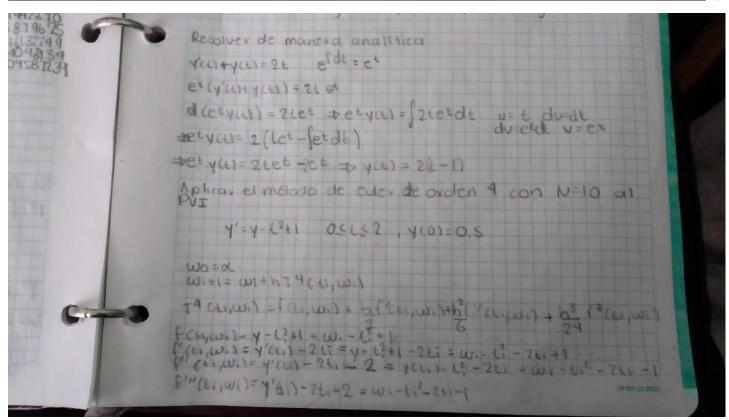
Aplicar la regla de Simpoon Ja Jax fix, y) dydx (x, y)dy = 6 (x, c(x))+2 2 (cx, y2)+4 [(x,y2)-1)+(x,dx) MATE C(X) - C(X) Y Y) = C(X) +) h(X). 10 Findx = K [F(a) + 2 2 F(xzi) + 42 > Jordan faxividady ~ 15 [h(a) [f(a,((a)+2) + 2) + (a) + 2) h(a) + 4 = f(a) +2 = f(a+zix, c(a+zix)+2jh(a+zixi) | (21) + 9 & f(a+2ik, 01a+2ik) +(2j-1) h(a+2ik)) +f(a+2ik, d(a+2ik)) + 4 Z h(a+0;-1)K)[f(a)(2;-1)K, c(a+0;-1)K + 22 f(a+(2;+)K, C(a+(2;-1)K+2)h(a+(2;-1)K) +42f(a+(21-1)K, C(a+(21-1)K+(2)-1)h(a+21-1) + f(a+(2;-1)K,d(a+(2;-1)K)] (a) + 5(6) [(16,000) + 7 2 + (16,000) +2 100) + f(b) d(b)

```
Símbolo del sistema
                                                                                                                                        ×
::\Users\PACO\Desktop\karen\MétodosNuméricos>python MetodoEuler.txt
Método de euler
Ingrese el intervalo
a= 0
b= 1
Ingrese n entero= 10
 Ingrese la función f(t,y)= 2*t-y
 Ingrese el valor de la condición inicial y(0)= -1
y(ti+1)= -0.9
y(ti+1)= -0.79
y(ti+1)= -0.671
 (ti+1)= -0.5439
 (ti+1)= -0.409510000000000004
(ti+1)= -0.268559
 (ti+1)= -0.12170309999999998
 (ti+1)= 0.03046721000000005
 (ti+1)= 0.18742048900000005
 (ti+1)= 0.34867844010000004
```



 $w_{i+1}=w_{i}+w_{i}-1+m_{i}+$

