Programme no1 :

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9 | **import** **matplotlib.pyplot** **as** **plt**  x=[**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**,**0.0**]  y=[**2.00**,**1.95**,**1.89**,**1.80**,**1.69**,**1.56**,**1.40**,**1.22**,**1.01**,**0.77**,**0.52**]  plt.cla()  plt.scatter(x,y,marker='+')  plt.title('Positions successives occupées par le système')  plt.xlabel('abscisse x en (m)')  plt.ylabel('altitude y en (m)')  plt.show() |

Programme no2 :

|  |  |
| --- | --- |
| 1  2  3  4  5  6 | **import** **matplotlib.pyplot** **as** **plt**  x=[**0.40**,**0.55**,**0.70**,**0.84**,**0.97**,**1.11**,**1.24**,**1.38**,**1.52**,**1.67**]  y=[**2.15**,**2.10**,**2.02**,**1.95**,**1.84**,**1.72**,**1.57**,**1.43**,**1.26**,**1.08**]  plt.cla()  plt.scatter(x,y)  plt.show() |

Programme no3 :

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11 | **import** **matplotlib.pyplot** **as** **plt**  x=[]  y=[]  plt.cla()  plt.plot(x,y,'+',color='red')  plt.xlabel("x en m")  plt.ylabel("y en m")  plt.title("Mouvement de chute")  plt.axis('equal')  plt.grid(alpha=**0.5**,linestyle=':')  plt.show() |