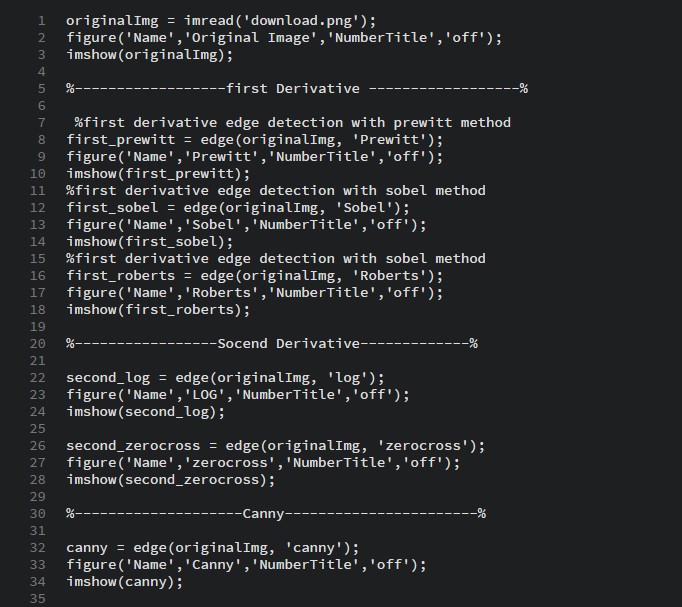
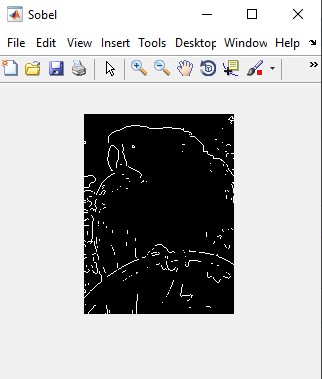
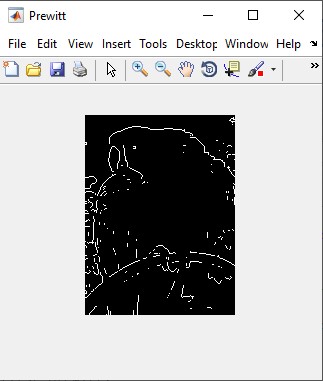
**Name: أحمد رضا سليمان**

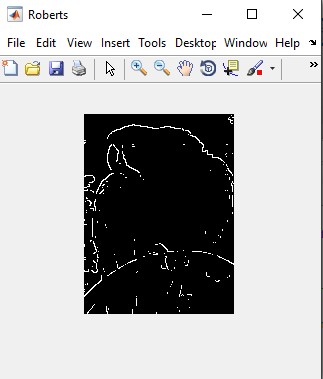
**Sec: 1**

****

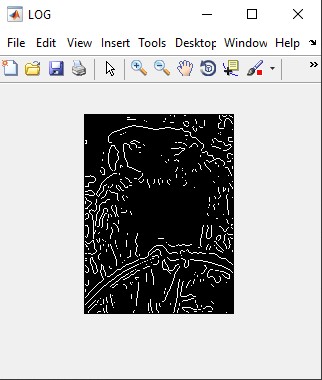
**First derivative Edge Detection**

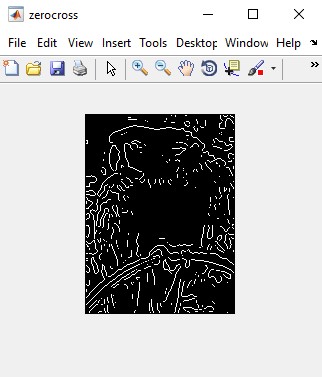
**Sobel: **

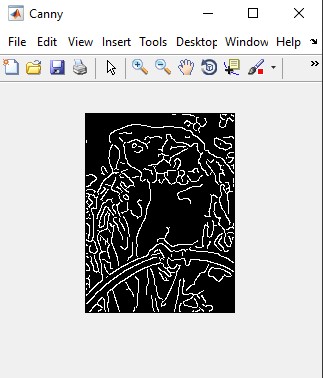
**Prewitt: **

**Roberts: **

**Second Derivative Edge Detection**

**Log: **

**Zerocross:**

**Canny: **

**First derivative with sobel or prewitt is way clearer to recognize with less noise and sharp edges.**

**But second derivative is not very clear and has a lot of noise.**

**And for Canny Algorithm. It has a lot of edges but still can be recognized with sharper edges.**

**So CANNY is someway better.**