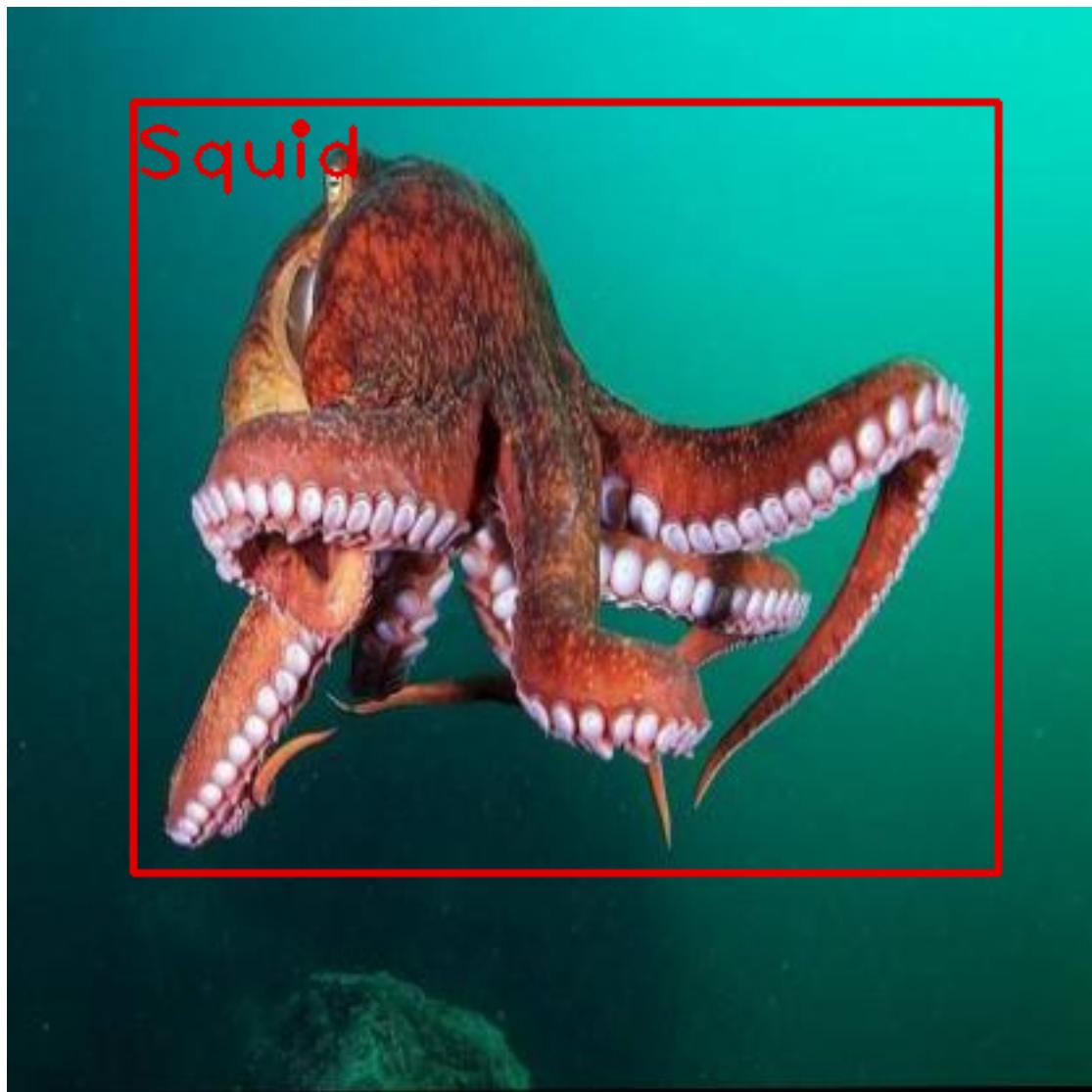


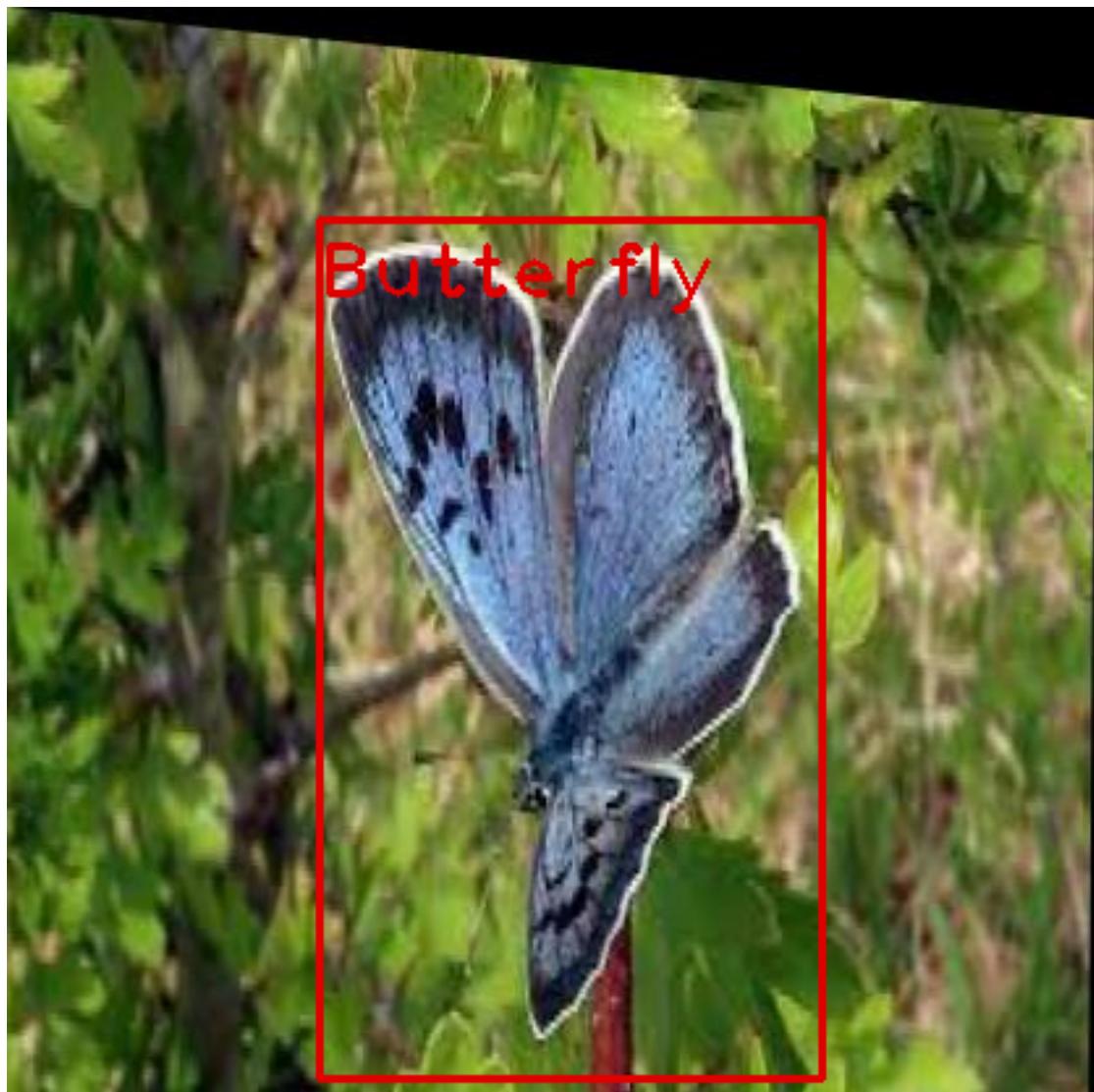
## Part 2

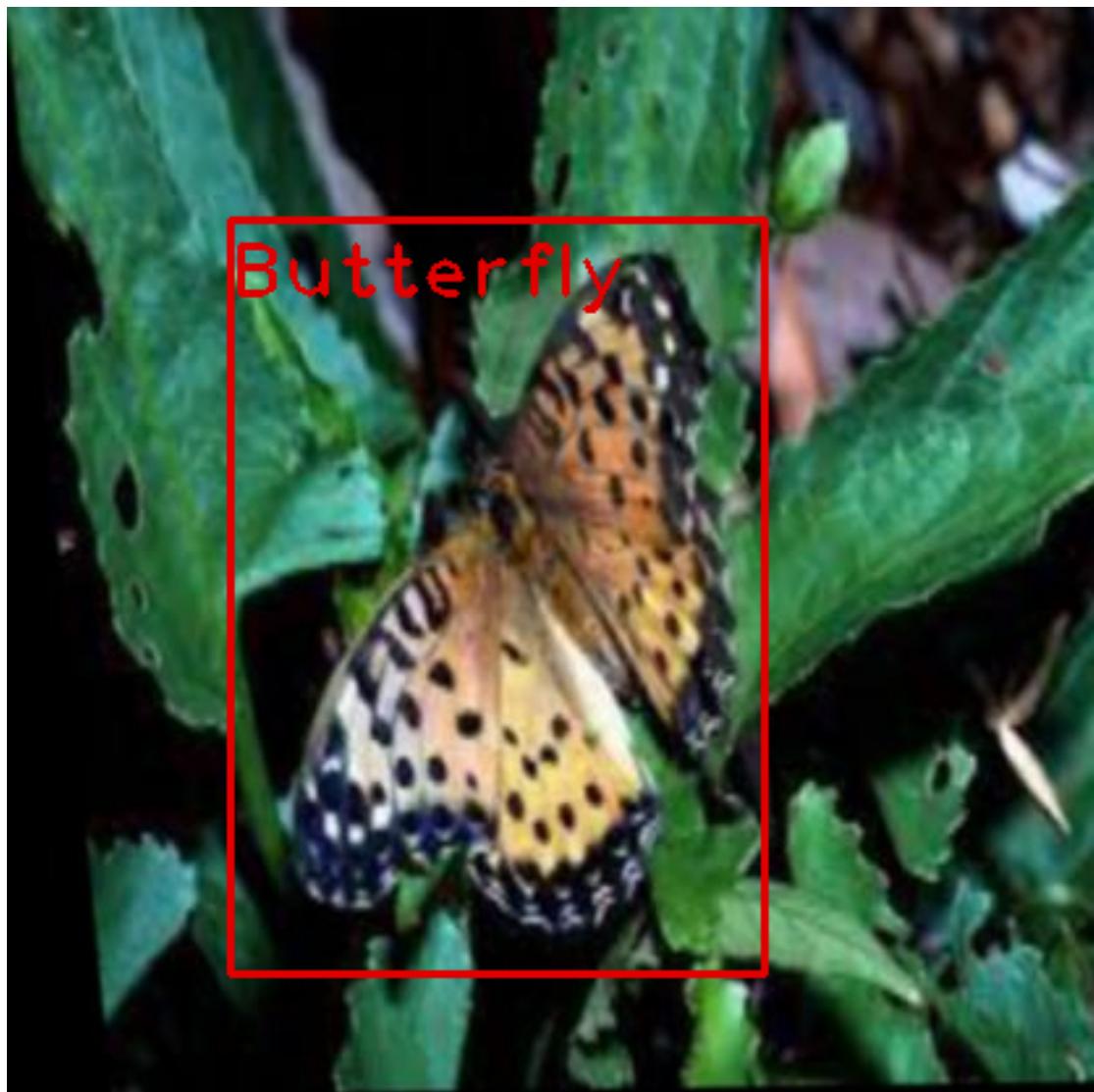
The YOLOv8 model is trained on a subset of the butterfly-bat-squid dataset using the following command -

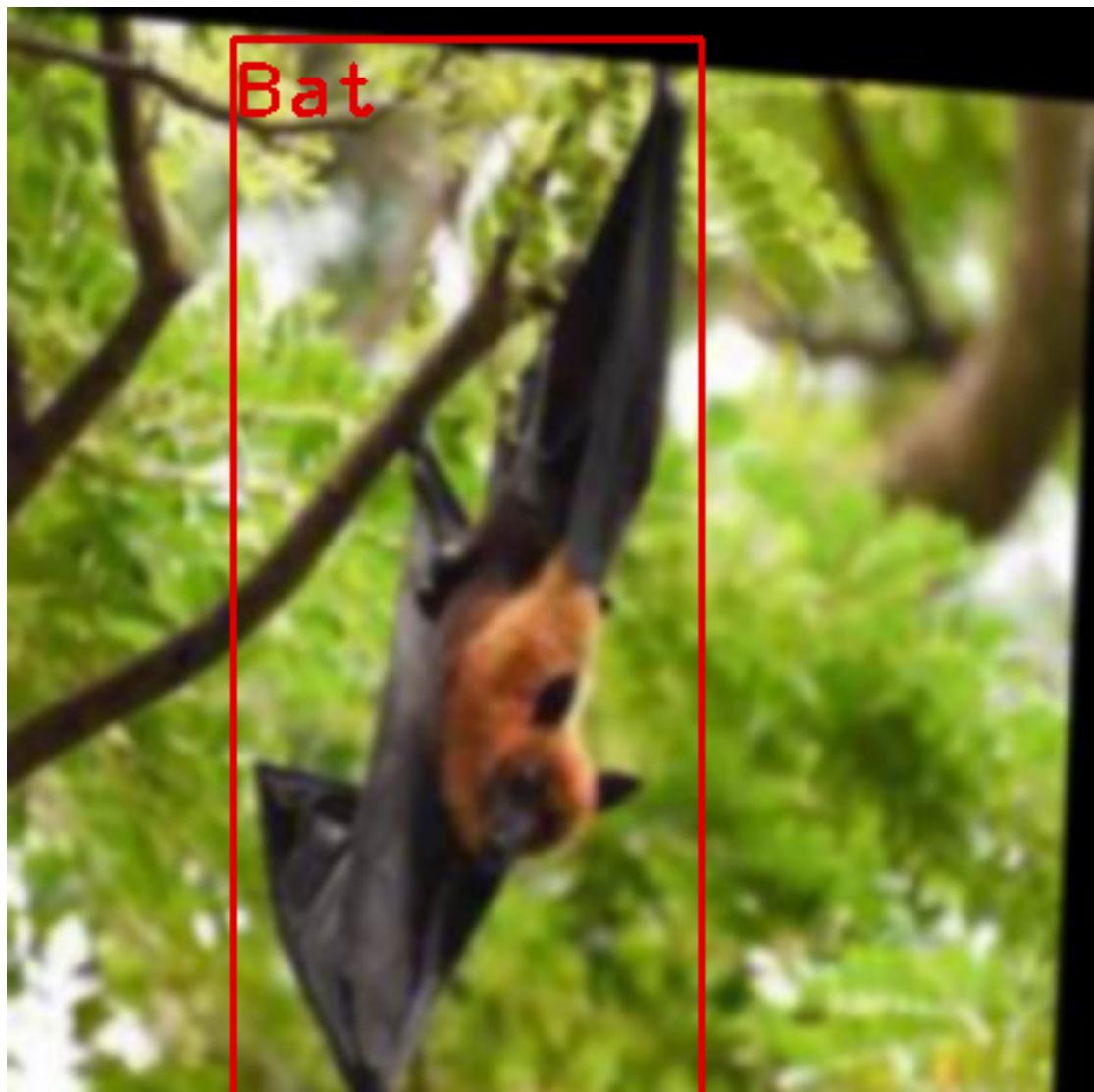
```
yolo task=detect mode=train model=yolov8m.pt data=./  
data.yaml epochs=25 imgsz=224 plots=True device=mps
```

The best model is used to run inference on the rest of images held out for testing. The detection results are shown in the images below. The code to run inference is in file named as `Akanksha_Tyagi_HW_4_part2.py`.



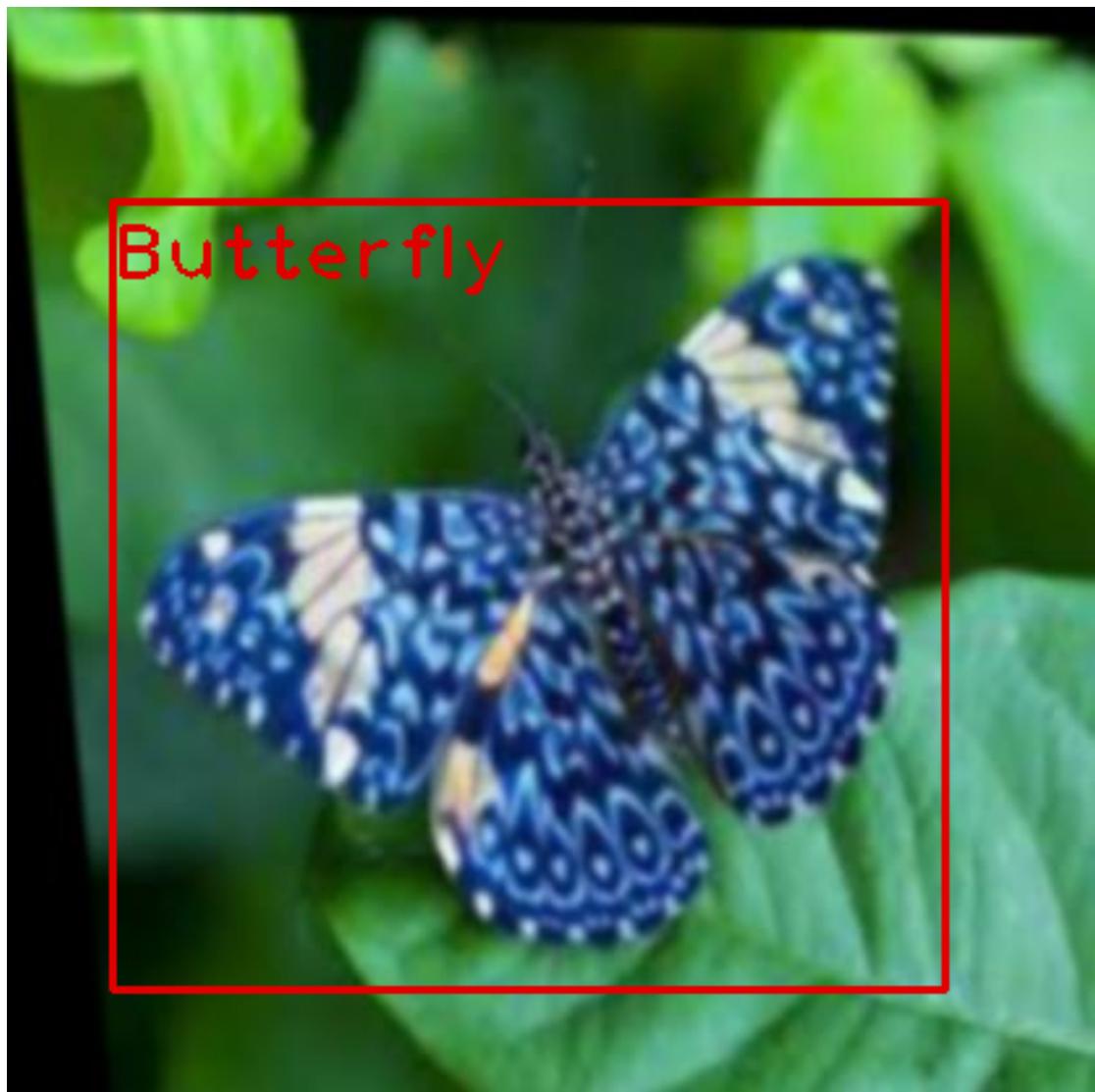




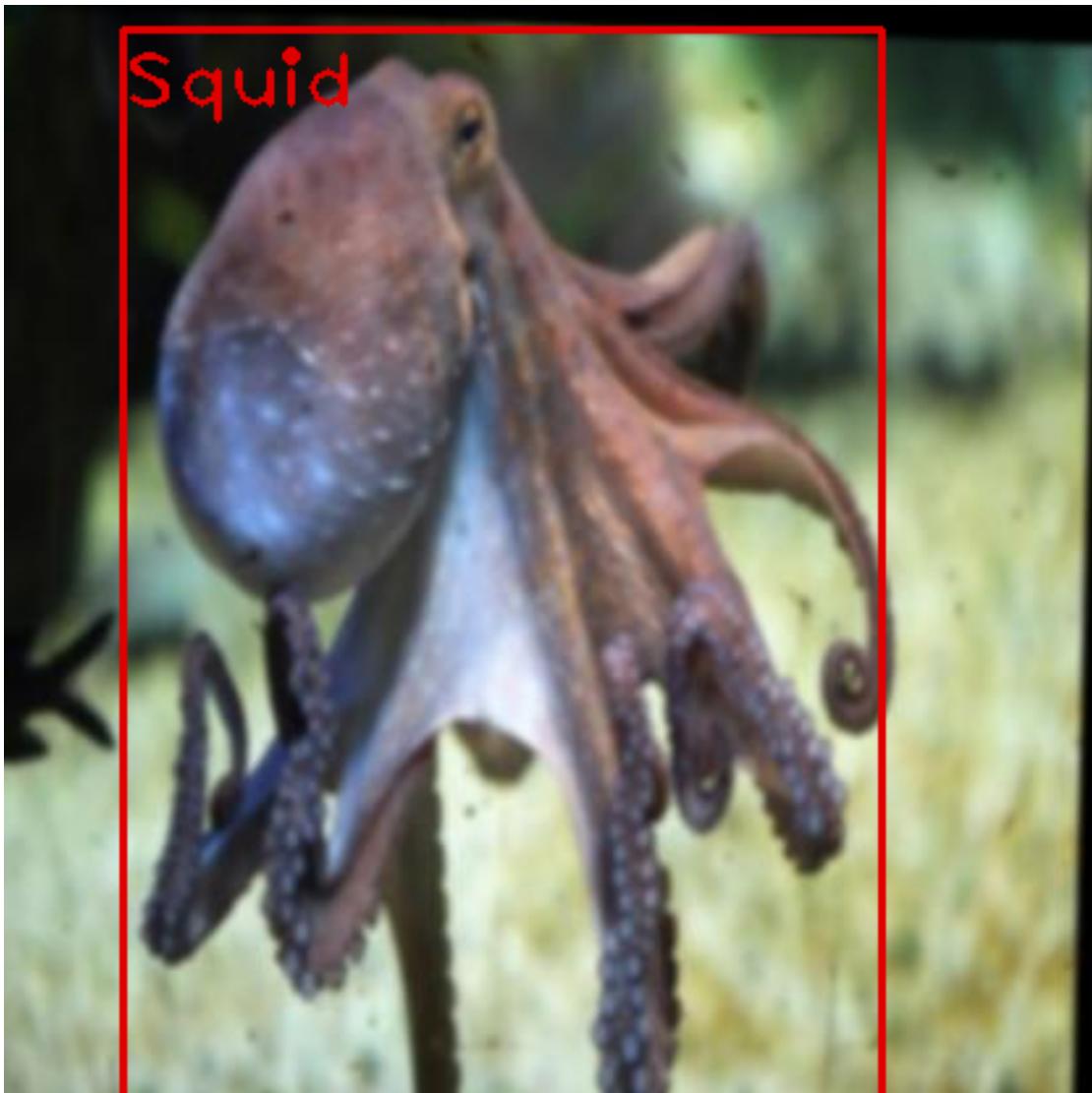




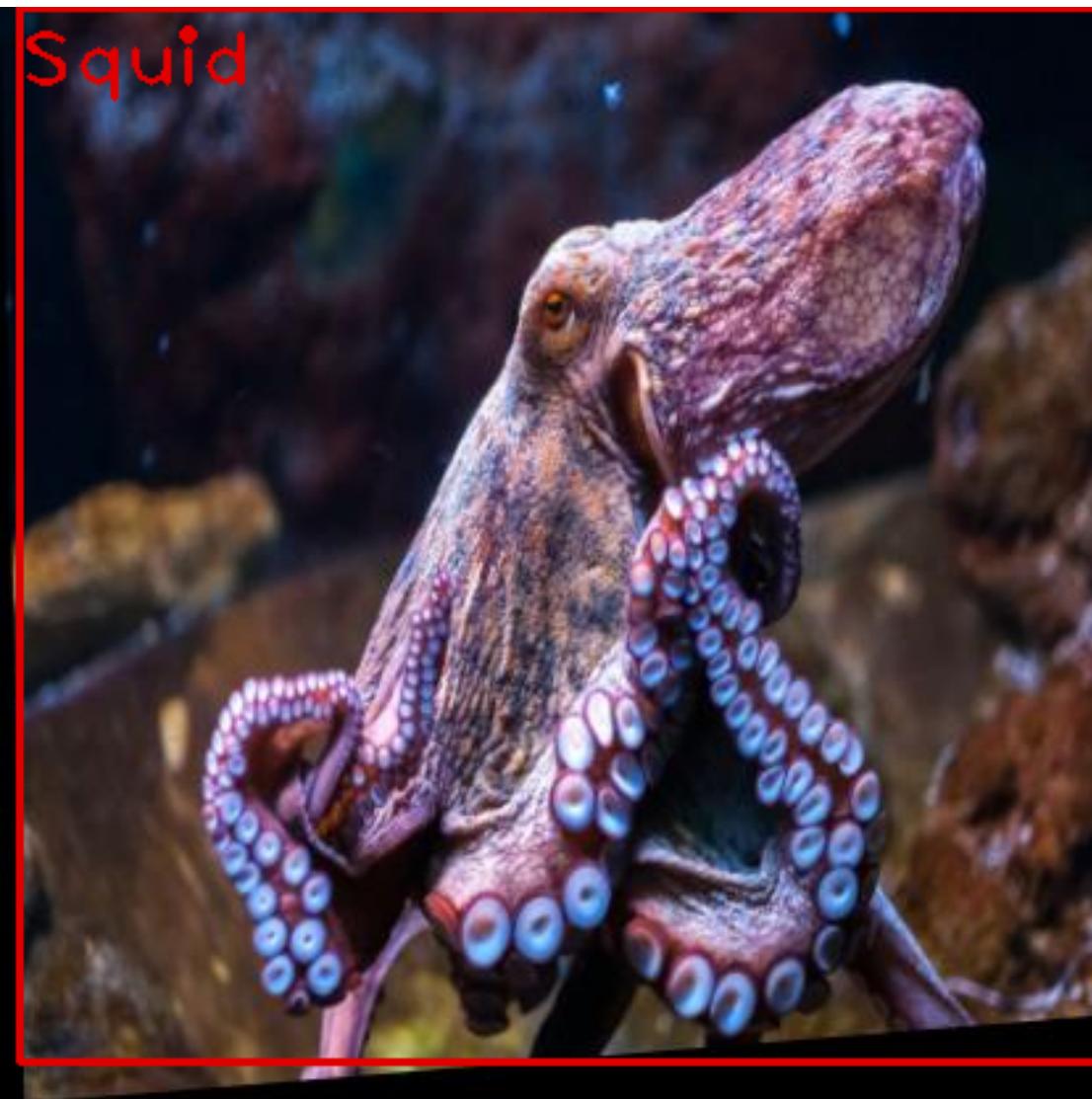




Squid



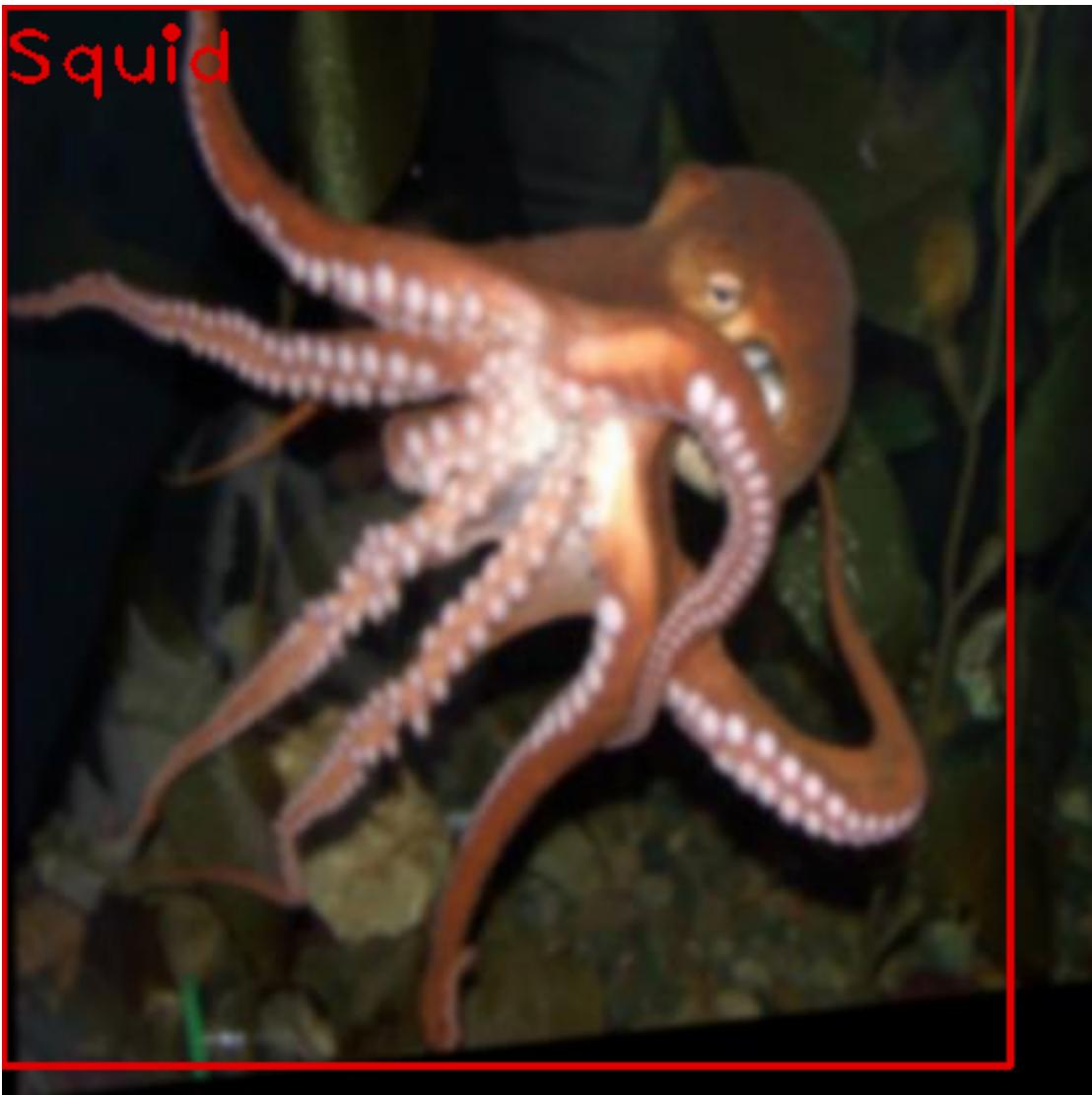
Squid



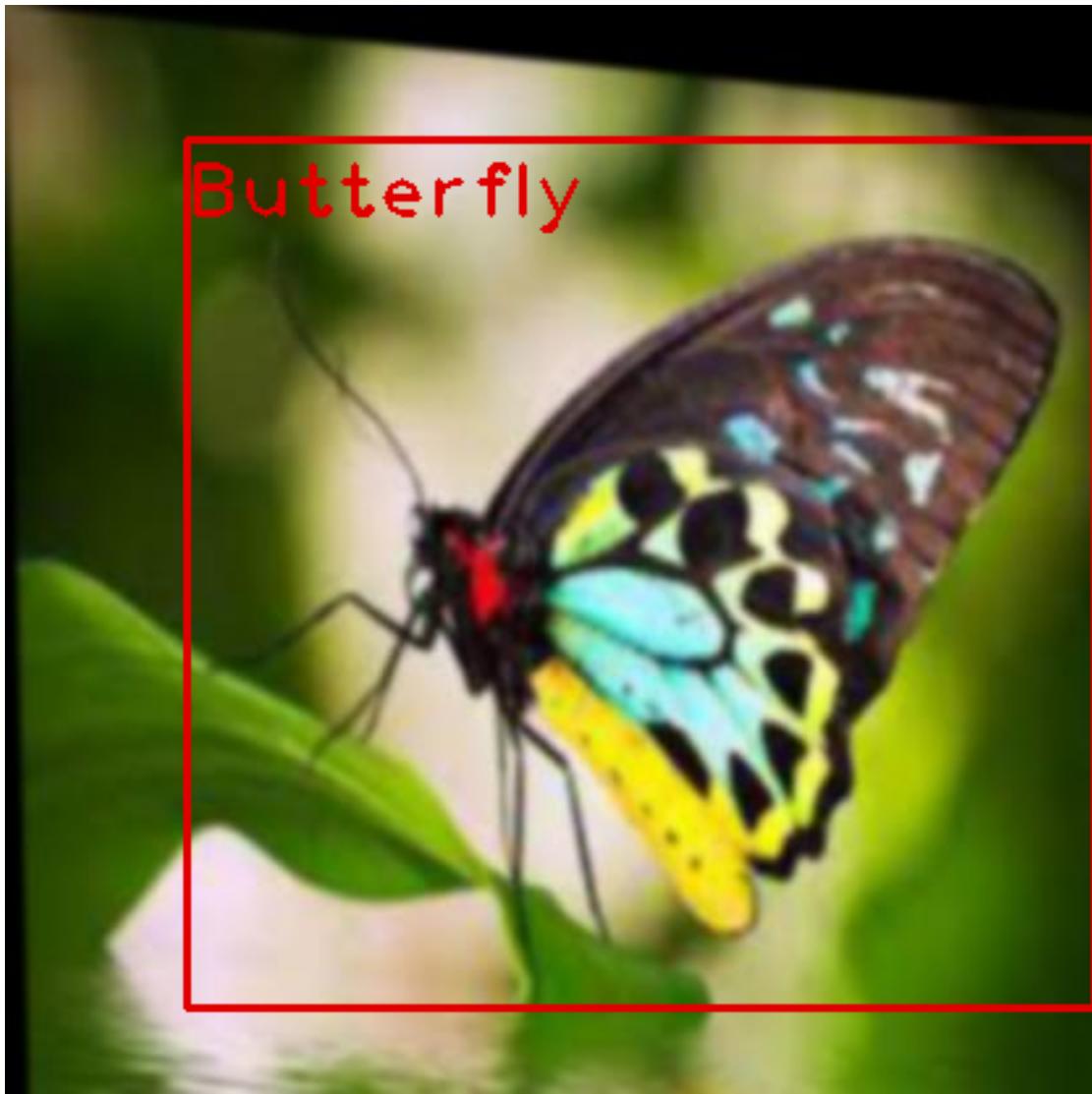


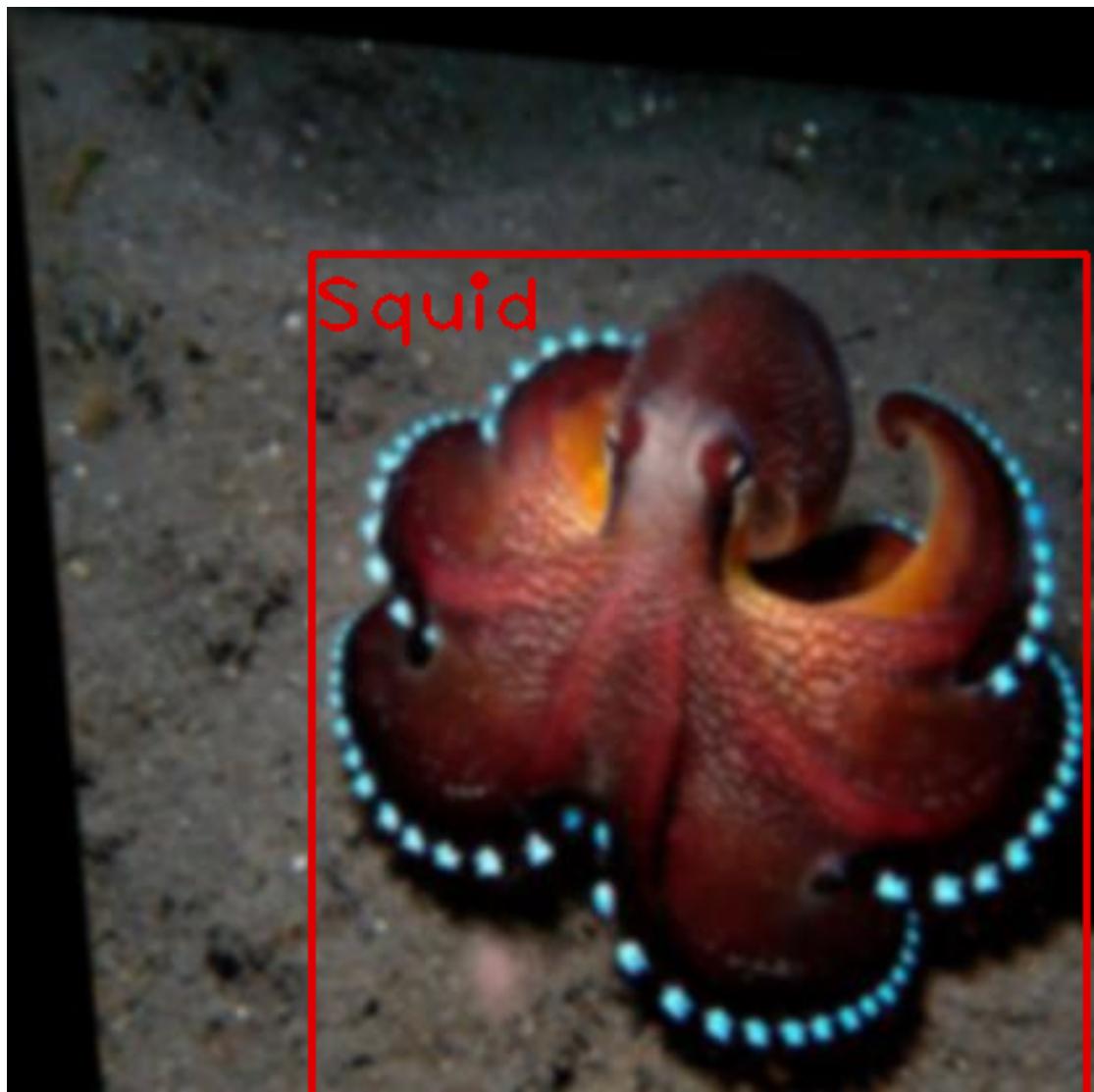
Bat

Squid

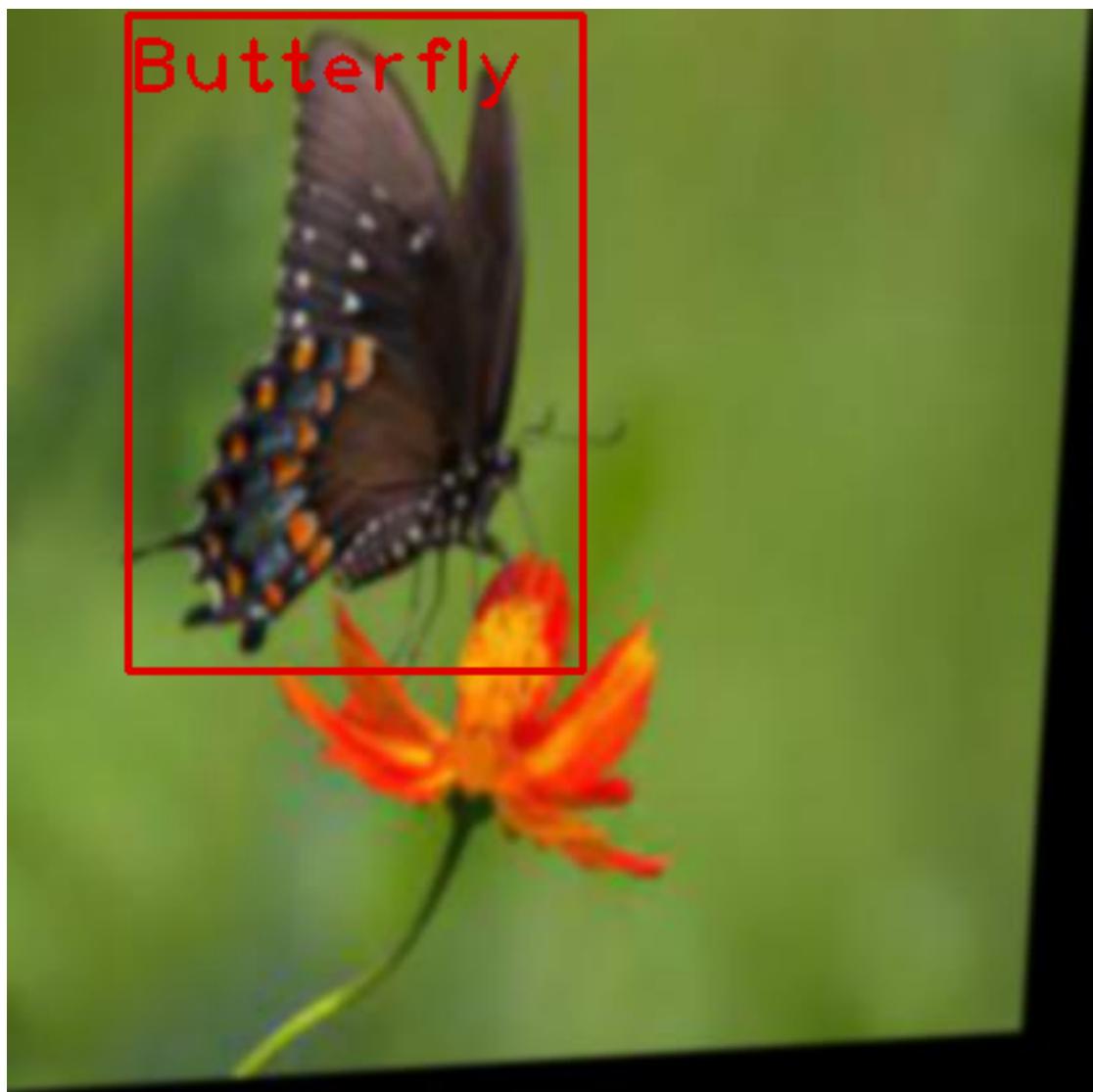


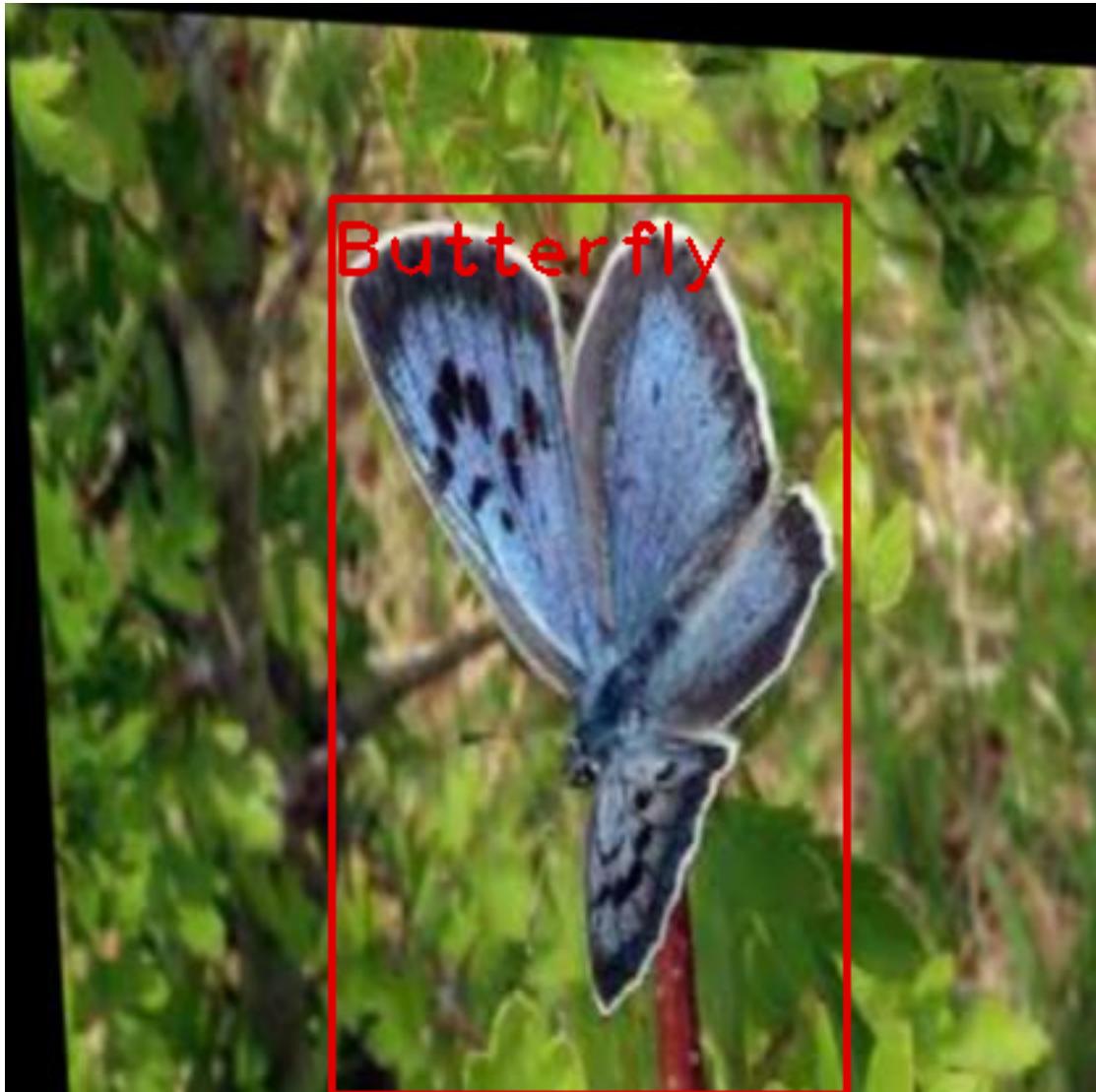
Butterfly





Squid





Butterfly