**OpenVINO Free Exercises**

**Example:**

$ export SV=/opt/intel/workshop/smart-video-workshop/

$ source /opt/intel/computer\_vision\_sdk/bin/setupvars.sh

(Setup the environmental variables)

$ cd $SV/object-detection/

$ ./lab.py classification\_sample -i car.png -m squeezenet1.1

（Replace the red characters with below names）

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| **App Name** | **Usage** | **Model (-m)** | **Input (-i)** | **Output** | **Notes** |
| **classification\_sample** | Classification | squeezenet1.1  vgg19  inception-resnet-v2  densenet-121 | bike1.jpg  bulls1.jpg  bus1.jpg  bus2.jpg  bus3.jpg  canoe1.jpg  cat1.jpg  cat2.jpg  dog1.jpg  plane1.jpg  plane2.jpg  plane3.jpg  plane4.jpg  sheep1.jpg  sheep2.jpg  table1.jpg | console log | squeezenet1.1 has label information |

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| **App Name** | **Usage** | **Model (-m)** | **Input (-i)** | **Output** | **Notes** |
| **interactive\_face\_detection\_sample** | SSD | mobilenet-ssd  ssd300  ssd512 | 2007\_005902.jpg  2007\_005972.jpg  2007\_005989.jpg  2007\_007021.jpg  2007\_007230.jpg  2007\_008948.jpg  dance1.jpg  people2.jpg    /dev/video0 | on screen | Label  0: background  1: aeroplane  2: bicycle  3: bird  4: boat  5: bottle  6: bus  7: car  8: cat  9: chair  10: cow  11: diningtable  12: dog  13: horse  14: motorbike  15: person  16: pottedplant  17: sheep  18: sofa  19: train  20: tvmonitor |
| **object\_detection\_demo\_ssd\_async** | SSD | face-detection-adas-0001  pedestrian-and-vehicle-detector-adas-0001  pedestrian-detection-adas-0002  person-detection-retail-00013  face-detection-retail-0004  person-vehicle-bike-detection-crossroad-0078 | Berlin\_Street\_Bikes.mp4  Cars1.mp4  FroggerHighway.mp4  multi-cars.mpeg  Running\_09\_Video.mov  TrafficGlasgow.MP4  women.mp4  lovely\_girl.mp4 | on screen | women.mp4, lovely\_girl.mp4 can be used for face-detection-retail-0004, not suitable for person-vehicle-bike-detection-crossroad-0078 |

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| **App Name** | **Usage** | **Model (-m)** | **Input (-i)** | **Output** | **Notes** |
| **segmentation\_sample** | Image Segment | semantic-segmentation-adas-0001  road-segmentation-adas-0001 | 2008\_000028.jpg  2008\_000050.jpg  2008\_000187.jpg  2008\_000356.jpg  street1.jpg  street2.jpg  street\_person.jpg | file  (out\_0.bmp) |  |