# TOPICS IN COMPUTER SCIENCE-II

**ASSIGNMENT** 

NAME:

**HUSSAIN ALI** 

**REGISTRATION NUMBER:** 

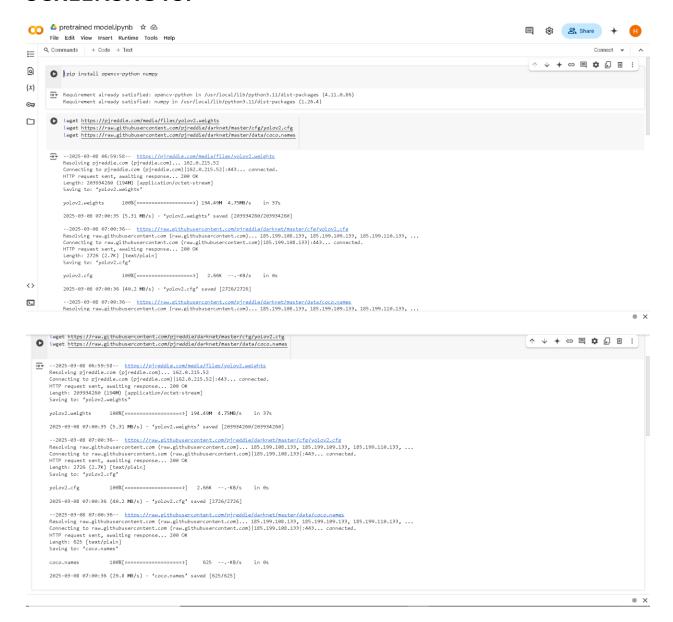
FA21-BCS-066

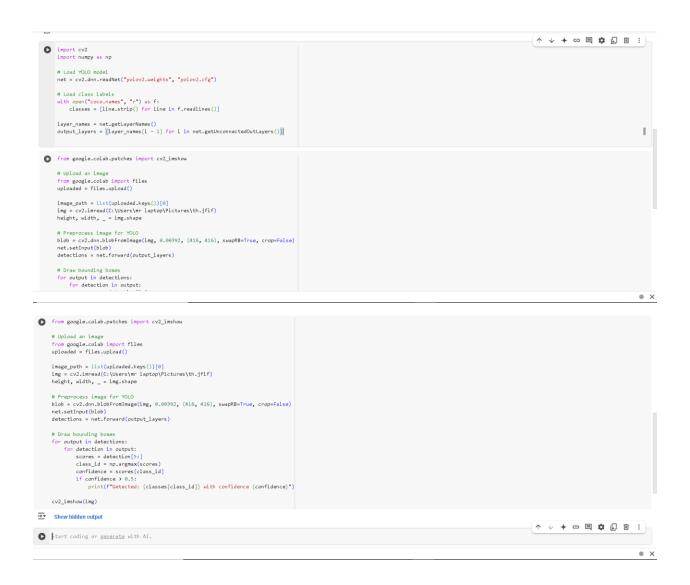
**SECTION:** 

BCS-8A

## **QUESTION NO.1:**

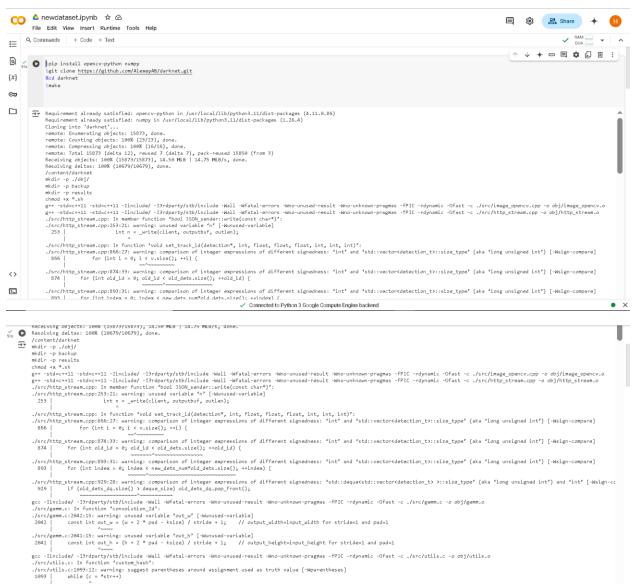
### **SCREENSHOTS:**





# **QUESTION NO.2**

### **SCREENSHOTS:**



```
/src/blas.c: In function 'backward_shortcut_multilayer_cpu':
/src/blas.c:207:21: warning: unused variable 'out_index' [-Wunused-variable]
207 | intout_index = id;
                     gcc - Iinclude/ - IJrdparty/stb/include - Wall - Wfatal-errors - Wno-unused-result - Wno-unknown-pragmas - FPIC - rdynamic - Ofast - c . /src/crop_layer.c - o obj/crop_layer.o gcc - Iinclude/ - IJrdparty/stb/include - Wall - Wfatal-errors - Wno-unused-result - Wno-unknown-pragmas - FPIC - rdynamic - Ofast - c . /src/dropout_layer.c - o obj/dropout_layer.o gcc - Iinclude/ - IJrdparty/stb/include - Wall - Wfatal-errors - Wno-unused-result - Wno-unknown-pragmas - FPIC - rdynamic - Ofast - c . /src/saxpool_layer.c - o obj/maxpool_layer.o gcc - Iinclude/ - IJrdparty/stb/include - Wall - Wfatal-errors - Wno-unused-result - Wno-unknown-pragmas - FPIC - rdynamic - Ofast - c . /src/softmax_layer.c - o obj/softmax_layer.o /src/softmax_layer.c - in function 'forward_contrastive_layer': ./src/softmax_layer.c: /src/softmax_layer.c - o obj/softmax_layer.o obj/softmax_layer.c - o obj/softmax_layer.o obj/soft
                     /src/data.c:431:27: note: assuming directive output of 8 bytes
431 sprintf(buff, *echo %s \"Wirong annotation: w = %f\" >> bad_label.list*, labelpath, w);
                    In file included from /usr/include/stdio.h:894,
from include/darknet.h:13,
from /src/data.h:13,
from /src/data.c:11
/usr/include/x86_64-linux_enu/bits/stdio2.h:38:10: note: '_builtin__sprintf_chk' output between 52 and 4461 bytes into a destination of size 256
38 | return _builtin_sprintf_chk (_s, _USE_PORTIFY_LEVEL - 1,
                            39
                                                                                                                                  __glibc_objsize (__s), __fmt,
                                                                                                                                  __va_arg_pack ());
                            40
                       /src/data.c:437:33: warning: "%s' directive writing up to 4095 bytes into a region of size 251 [-Wformat-overflow=] 437 | sprintf(buff, "echo %s \"Wirong annotation: h = Xf\" >> bad_label.list", labelpath, h);

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 - - - · ·
  pip install kaggle
                 mkdir ~/.kaggle
Requirement already satisfied: sixx=1.10 in /usr/local/lib/python3.11/dist-packages (1.6.17)

Requirement already satisfied: sixx=1.10 in /usr/local/lib/python3.11/dist-packages (from kaggle) (1.17.0)

Requirement already satisfied: certifi>=2023.7.22 in /usr/local/lib/python3.11/dist-packages (from kaggle) (2025.1.31)

Requirement already satisfied: python-dateutli in /usr/local/lib/python3.11/dist-packages (from kaggle) (2.8.2)

Requirement already satisfied: tenders in /usr/local/lib/python3.11/dist-packages (from kaggle) (2.8.2)

Requirement already satisfied: tenders in /usr/local/lib/python3.11/dist-packages (from kaggle) (8.0.4)

Requirement already satisfied: vibilib in /usr/local/lib/python3.11/dist-packages (from kaggle) (2.9.8)

Requirement already satisfied: bleach in /usr/local/lib/python3.11/dist-packages (from kaggle) (6.2.0)

Requirement already satisfied: bleach in /usr/local/lib/python3.11/dist-packages (from kaggle) (6.2.0)

Requirement already satisfied: text-unidecod=>1.3 in /usr/local/lib/python3.11/dist-packages (from python-slugify-kaggle) (1.3)

Requirement already satisfied: text-unidecod=>1.3 in /usr/local/lib/python3.11/dist-packages (from python-slugify-kaggle) (3.4.1)

Requirement already satisfied: text-unidecod=>1.3 in /usr/local/lib/python3.11/dist-packages (from python-slugify-kaggle) (3.4.1)

Requirement already satisfied: text-unidecod=>1.3 in /usr/local/lib/python3.11/dist-packages (from python-slugify-kaggle) (3.4.1)
 from google.colab import files files.upload()
 Choose Files No file chosen
                                                                                                     Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable.
             Saving kaggle.json to kaggle.json 
{'kaggle.json': b'{"username":"ali
                                                                                    me":"alihussainali","key":"51efe94b83a06bb9a112d9e34178da74"}'}
[5] !mkdir -p ~/.kaggle
!mv kaggle.json ~/.kaggle/
!chmod 600 ~/.kaggle/kaggle.json
 ₹ mv: cannot stat 'kaggle.json': No such file or directory

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  from google.colab import files
             files.upload()
  Choose Files No file chosen
                                                                                                       Upload widget is only available when the cell has been executed in the current browser session. Please rerun this cell to enable
             Saving kaggle.json to kaggle.json ('kaggle.json') b ('gusername': alihussainali", "key": "51efe94b83a@6bb9a112d9e34178da74")'}
 [5] !mkdir -p ~/.kaggle
!mv kaggle.json ~/.kaggle/
!chmod 600 ~/.kaggle/kaggle.json
  → mv: cannot stat 'kaggle.json': No such file or directory
  [6] !ls -l ~/.kaggle
 total 4
-rw------ 1 root root 69 Mar 9 15:49 kaggle.json
 [ ] Start coding or generate with AI.
  [7] [kaggle datasets list

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```

