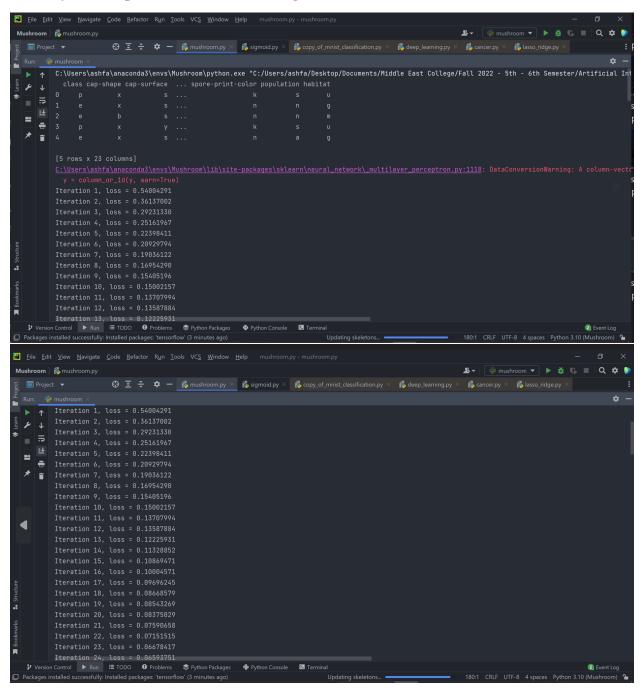
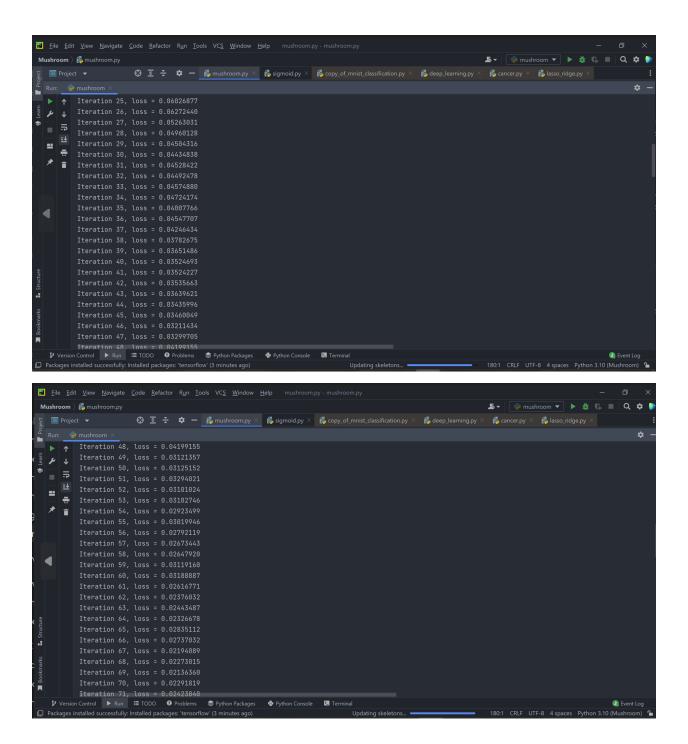
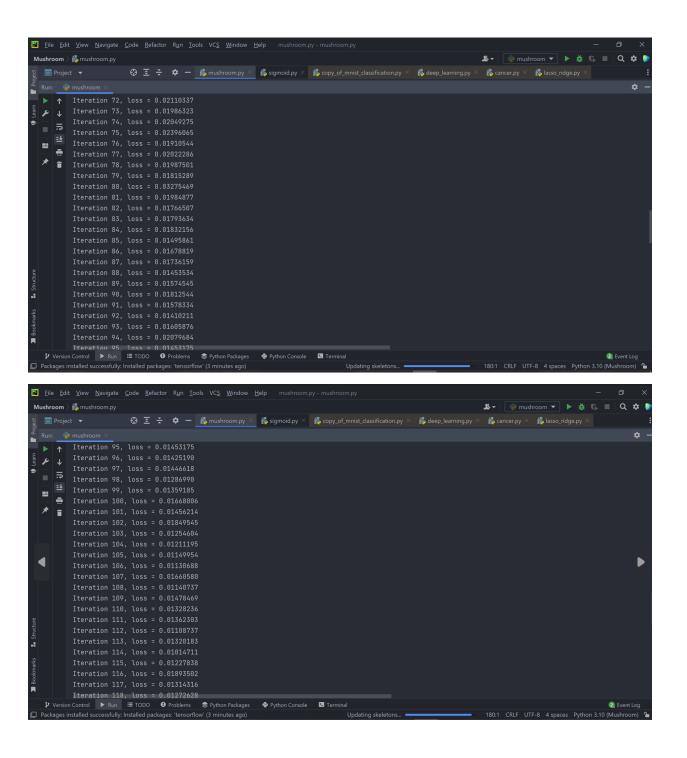
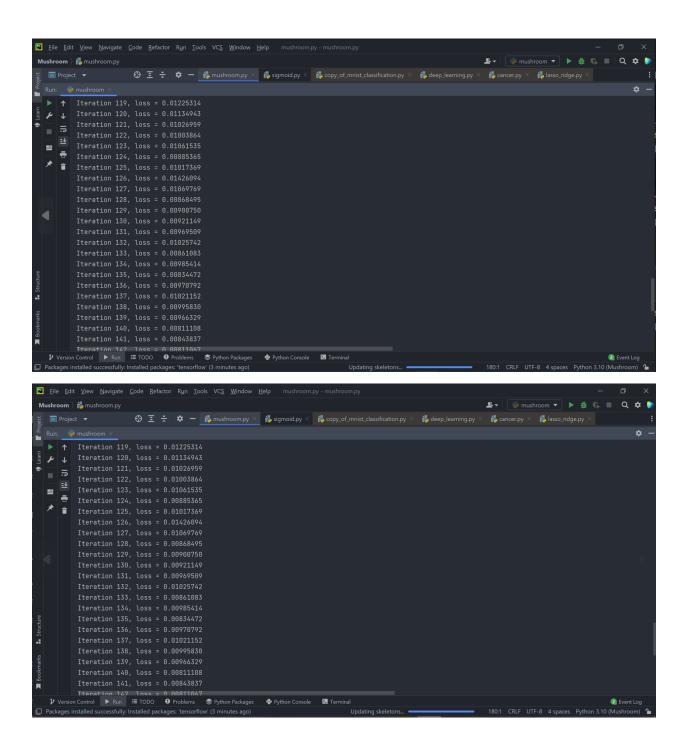
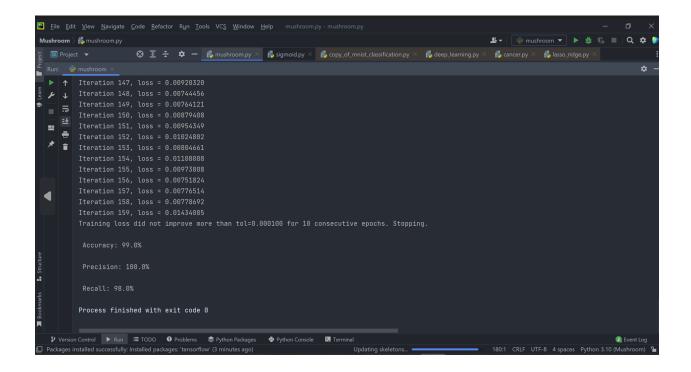
Multilayer Perceptron – Classification Algorithm



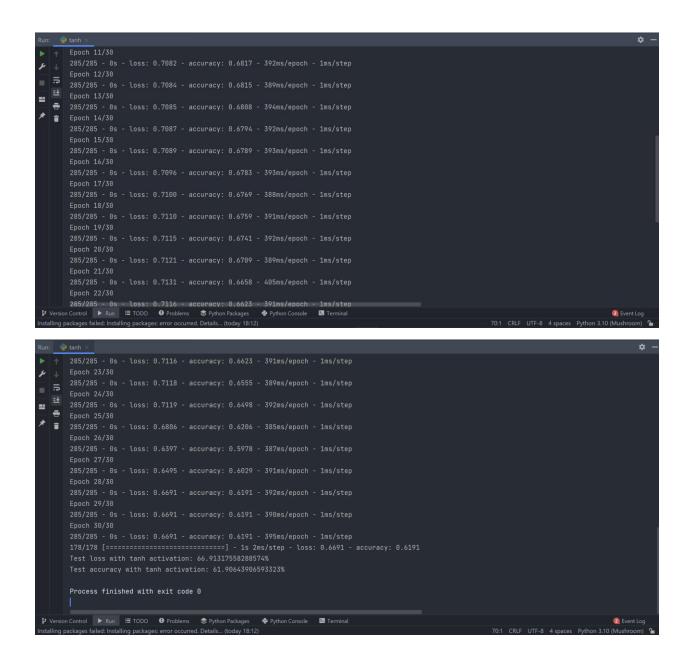








Tanh Function



Sigmoid Function

```
ů
        C:\Users\ashfa\anaconda3\envs\Mushroom\python.exe "C:/Users/ashfa/Desktop/Documents/Middle East College/Fall 2022 - 5th - 6th Semester/Artificial In
   = 2023-01-11 23:54:31.267192: I tensorflow/core/common_runtime/process_util.cc:146] Creating new thread pool with default inter op setting: 2. Tune
=
        Epoch 5/30
        285/285 - 0s - loss: 0.3708 - accuracy: 0.8489 - 375ms/epoch - 1ms/step
        Epoch 10/30
 285/285 - 8s - loss: 0.3368 - accuracy: 0.8656 - 457ms/epoch - 2ms/step

Version Control ▶ Run ≔ TODO ❸ Problems ♦ Python Packages ♣ Python Console ☑ Terminal
stalling packages failed: Installing packages: error occurred. Details... (today 18:12)
                                                                                                                                                              ② Event Log
                        ⊕ 💆 🛨 🌣 — 🐔 sigmoid.py × 🐉 tanh.py × 🐔 mushroom.py
        Epoch 11/30
       Epoch 12/30
   ± Epoch 13/30
---
        Epoch 16/30
        Epoch 17/30
        Epoch 18/30
        Epoch 21/30
        Epoch 22/30
```

Event Log

