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 1  C:\Users\Sapan\Downloads\Project_4P76\venv\Scripts\python.exe C:/Users/Sapan/Downloads/
    Project_4P76/main.py
 2  Press 0 for Sentiment Analysis, Press 1 for Music Generation: 0
 3  Enter 1 to retrain Sentiment Model, Enter 0 to load pre-trained model and test on sample
    input: 1
 4  Found 25000 files belonging to 2 classes.
 5  Using 20000 files for training.
 6  Found 25000 files belonging to 2 classes.
 7  Using 5000 files for validation.
 8  Found 25000 files belonging to 2 classes.
 9  Sample text sentiment:  [b'When Sam Peckinpah\'s superlative THE WILD BUNCH (1969) opened
    the door to outrageous displays of graphic cinematic ultra-violence, it did so with a
    talented (if whisky-marinated) hand guiding the camera and had a compelling story with
    characters who had actual depth, but in no time flat there were scores of imitators that
    fell far from the benchmark set by Peckinpah\'s epic, and SOLDIER BLUE definitely falls
    into that category.<br /><br />SOLDIER BLEW, er, BLUE tells the story of foul-mouthed New
    Yorker Cresta Lee (Candice Bergen) a blonde proto-hippie chick who\'s been "rescued"
    from two years of "captivity" among the Cheyenne and is now being sent to a fort where
    she\'ll be reunited with the fianc\xc3\xa9e she only wants to marry for his money. Also
    on board the wagon she\'s traveling in is a shipment of government gold, cash the
    Cheyenne need to buy guns with, so in short order the soldiers are wiped out and Cresta
    flees to the hills, accompanied by Honus Gant (Peter Strauss), the lone surviving
    cavalryman. Calling Gant by the snarky nickname "Soldier Blue," Cresta demonstrates that
    her years among the "savages" was time well spent, outstripping Gant in survival skills,
    common sense, and sheer balls, and over their journey toward the fort they must persevere
    against the elements, a band of hostile Kiowa, an unscrupulous trader \xc2\x97 played by
    Donald Pleasance, here giving one of his most ridiculous performances, and that\'s
    saying something \xc2\x97 and, in the tradition of many previous western-set romantic
    comedies, each other.<br /><br />During the course of their misadventures the two
    opposites are inevitably \xc2\x97 and predictably \xc2\x97 attracted to each other and
    eventually end up getting it on \xc2\x97 while Gant has a freshly- treated bullet wound
    that went clean through his leg, no less \xc2\x97 in what was surely the only
    conveniently located cave for at least a twelve mile radius that wasn\'t filled with
    rattlesnakes, mountain lions, or who knows what, to say nothing of the Cheyenne, who
    could have done something really spiffy with such a primo apartment (there I go, thinking
    in NYC real estate terms again). <br /><br />Realizing that their love could never
    flourish outside of the cave, Cresta leaves Gant and makes it to the fort by herself only
    to discover that the moron in charge won\'t spare a couple of men so they can rescue
    Gant; the regiment needs all available personnel to launch an attack on the nearby
    Cheyenne village, and once Cresta gets wind of that she slips past her obnoxiously horny
    hubby-to-be and makes a beeline straight to the Cheyenne to warn them of what\'s coming
    . <br /><br />What happens next is what gained the film its infamy; it turns out that all
    the wacky misadventures and squabbling were all just a lead-in to a hideous reenactment
    of the 1864 Sand Creek Massacre, an orgy of rape, torture and general sadistic evil
    perpetrated in the name of "keeping the country clean," and almost forty years after its
    release this sequence still disturbs and nauseates for its sheer cruelty. Children are
    trampled beneath the hooves of charging horses or impaled on bayonets, unarmed people are
    beheaded \xc2\x97 a nice effect, I have to admit \xc2\x97 women are stripped and pawed
    by gangs of slavering brutes, then raped and mutilated \xc2\x97 in one truly sickening
    instance a naked native woman puts up too much of a fight, so her rapist instead decides
    to cut off her breasts, which we thankfully only see the start of before the camera moves
    on to chronicle some other hideous act \xc2\x97 and scores of innocent people are shot
    and dismembered, their compone nt parts impaled on pikes and waved about in victorious
    celebration or kept as the most ghoulish of souvenirs. No joke, this scene would
    instantly garner an NC-17 rating if released today, to say nothing of possibly spurring
    Native American interest groups to riot in the streets over the incredibly exploitative
    manner in which the atrocities are depicted.<br /><br />I\'m all in favor of westerns
    that don\'t shy away from honest portrayals of how the west was won, or stolen if truth
    be told, but this film has no idea of what kind of movie it wants to be; one minute it\'s
    a heavy-handed pseudo-hippy lecture about how the treatment of the natives was totally
    effed up (well, DUH!), then it\'s a light-hearted battle of the sexes farce wherein
    Cresta proves herself five times the man Gant is and manages to look hot in her tasty red
    calico poncho (with no undies), but that all goes out the window when Donald Pleasance
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9 shows up with an unintentionally (?) hilarious pair of buck-toothed dentures and our heroes must figure out how to escape from his murderous clutches in a sub-plot that goes nowhere, all of which culminates in the aforementioned apocalyptic climax. Any one of those tacks would have been okay for a coherent film, but the end result is a slapdash mess that milked the horrors of its final ten minutes for all they were worth in the film \'s promotion and poster imagery.

But by trying to be all things to all audiences, SOLDIER BLUE ends up as an incoherent, preachy Mulligan stew of presumably well-intentioned political correctness, but if they were going to tell the story of the Sand Creek Massacre, wouldn\'t it have been a good idea to have some Indian characters who were more than just walk-ons with Murphy Brown acting as their mouthpiece? We get to know absolutely nothing of the people who get wiped out solely for what appears to be a crass ploy to lure gorehound moviegoers into seeing "the most savage film in history." If you, like me, were intrigued by the provocative ads and reviews that shower almost endless praise upon it for its "daring to tell it like it was," take my word for it and let SOLDIER BLUE slowly fade into cinematic obscurity.'

10 b'I always felt that a good film should have a plot. This particular film was missing one, and I feel that it would have been more effective with a plot. This was made even worse by the fact that it seemed to go on forever; I was anxious for it to finally end. However, I just noticed that it was only 123 minutes long; it felt like four hours. Not only was there no plot but the film also lacked a notable conflict. It\'s not the worst movie I\'ve seen, but I used to say that it was until I saw "The Fast And The Furious". So, don\'t think this review of mine is from someone who needs nothing but action. I actually hate most action films out today; it\'s just that this film is all the way on the other side of the spectrum. Not much really happens in this movie. However, the scenery and costumes were nice.'

11 b'First off I want to say that this film is worthy of more than the four stars I rated it. I gave it four stars because for me this 86 minute movie always seems like 2 and a half hours and is not engaging enough to sit through it all. However, "The Big Alligator River" (the title my DVD calls it) is better than your average nature strikes back movie .

A tourist resort in the jungles of Southeast Asia is just opening and employs the natives while trying to manipulate the wildlife around. Mother Nature seeking revenge comes in the form of the god Kroona, a giant Alligator. But the creature isn\'t the only thing the tourists and the main characters (a photographer and the resort staff) have to worry about, the natives are getting rubbed the wrong way too.

This movie is a pretty well-done adventure/horror story with a good musical score and direction. But the alligator itself, the main attraction of the movie, is obviously fake looking. Some of the close-ups of its jaws are good but that should be all we need to see . Some of the underwater far-away shots make it painfully obvious that what we are really dealing with is an alligator squeaky-toy you can probably get at a zoo souvenir shop. But the natives are believable, if not authentic.

Probably not the movie that will give you non-stop thrills, if any, but shot and produced well enough to be given good mention. And like a lot of creature movies, this one ends with an extremely high body count. It also has lots of good jungle scenery. Acting is below par though, but who was expecting it to be better, eh?

Much, much better than its recent American counterpart "Primeival" but nothing to be compared with "Jaws". But remember it may not be engaging at a few points.']

12 Sample label sentiment: [0 0 0]
13 Enter the name of folder to save sentiment analysis model data: final_sentiment
14 Enter number of epochs (ideally 5-7)(time extensive, gpu will speed up): 8
15 Epoch 1/8
16 313/313 [==============================] - 210s 582ms/step - loss: 0.6584 - accuracy: 0.5464 - val_loss: 0.4060 - val_accuracy: 0.8390
17 Epoch 2/8
18 313/313 [==============================] - 228s 728ms/step - loss: 0.3101 - accuracy: 0.8764 - val_loss: 0.2967 - val_accuracy: 0.8734
19 Epoch 3/8
20 313/313 [==============================] - 228s 729ms/step - loss: 0.2080 - accuracy: 0.9231 - val_loss: 0.3513 - val_accuracy: 0.8736
21 Epoch 4/8
22 313/313 [==============================] - 230s 734ms/step - loss: 0.1590 - accuracy: 0.9491 - val_loss: 0.3126 - val_accuracy: 0.8786
23 Epoch 5/8
24 313/313 [==============================] - 217s 694ms/step - loss: 0.1177 - accuracy: 0.

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24 9642 - val_loss: 0.3355 - val_accuracy: 0.8702
25 Epoch 6/8
26 313/313 [==============================] - 207s 661ms/step - loss: 0.0911 - accuracy: 0.
   9718 - val_loss: 0.3941 - val_accuracy: 0.8732
27 Epoch 7/8
28 313/313 [==============================] - 214s 685ms/step - loss: 0.0735 - accuracy: 0.
   9792 - val_loss: 0.4199 - val_accuracy: 0.8734
29 Epoch 8/8
30 313/313 [==============================] - 229s 732ms/step - loss: 0.0538 - accuracy: 0.
   9853 - val_loss: 0.5154 - val_accuracy: 0.8726
31 The movie was so bad. I would never go watch the movie with this actor going forward.
   Half of the time I was asleep
32 Sample Prediction(if prediction >=0 sentiment +ve else -ve):  [[-4.616588]]
33 what a great movie, the scenes and direction was very cool
34 Sample Prediction(if prediction >=0 sentiment +ve else -ve):  [[0.05214534]]
35 I enjoy his company. And he is a good chef
36 Sample Prediction(if prediction >=0 sentiment +ve else -ve):  [[0.7528315]]
37 He is the worst. he discourages me and forces me to do things that I hate. He disappoints
   me.
38 Sample Prediction(if prediction >=0 sentiment +ve else -ve):  [[-2.1206512]]
39 391/391 [==============================] - 157s 393ms/step - loss: 0.5730 - accuracy: 0.
   8567
40 Test Loss: 0.5729565024375916
41 Test Accuracy: 0.8566799759864807
42 Enter a Sample text to predict sentiment: I really like marvel movies but this time the
   new thor movie was disappointing, the cast was sub-par and there were many loopholes in
   the plot, I never thought I would dislike a marvel movie. But seems like they have lost
   their touch with the original fans.  I wish they could do better.
43 Sample Prediction(if prediction >=0 sentiment +ve else -ve):  [[-2.6383579]]
44 saving---2021-05-02 00:33:24.170 WARNING absl: Found untraced functions such as
   lstm_cell_1_layer_call_and_return_conditional_losses, lstm_cell_1_layer_call_fn,
   lstm_cell_2_layer_call_and_return_conditional_losses, lstm_cell_2_layer_call_fn,
   lstm_cell_4_layer_call_and_return_conditional_losses while saving (showing 5 of 30).
   These functions will not be directly callable after loading.
45 2021-05-02 00:33:24.360 WARNING absl: Found untraced functions such as
   lstm_cell_1_layer_call_and_return_conditional_losses, lstm_cell_1_layer_call_fn,
   lstm_cell_2_layer_call_and_return_conditional_losses, lstm_cell_2_layer_call_fn,
   lstm_cell_4_layer_call_and_return_conditional_losses while saving (showing 5 of 30).
   These functions will not be directly callable after loading.
46 INFO:tensorflow:Assets written to: C:\Users\Sapan\Downloads\Project_4P76\final_sentiment\
   assets
47 2021-05-02 00:34:08.078 INFO    tensorflow: Assets written to: C:\Users\Sapan\Downloads\
   Project_4P76\final_sentiment\assets
48 Model saved under given folder, restart program to run model by entering 0
49
50
51 Process finished with exit code 0
52
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