```
model name = 'bert-base-multilingual-uncased'
num fold = 5
lr = 1e-5
\max len = 256
num epoch = 5
batch size = 32
print(device)
tokenizer = AutoTokenizer.from pretrained(model name, do lower case=True)
kf = StratifiedKFold(n splits=num fold, shuffle=True, random state=1016)
df = df train
y = df['label']
fold list = list(kf.split(df, y))
train df list = []
val df lsit = []
for i, fold in enumerate(fold list):
val df lsit.append(df val)
```

```
model = BertForSequenceClassification.from pretrained(
model.to(device)
```

```
fold_val_acc_list = []
for i in range(0, num fold):
  fold val acc list.append([])
for epoch in range(0, num epoch):
```

```
val preds = preds.detach().cpu().numpy()
   stacked val labels = np.vstack((stacked val labels, val preds)
```