Predictions

The last and final step is to make use of our saved model to do predictions. For that we have a class in keras called load_model. Load_model is used to load our saved model h5 file (alert.h5).

In [ ]:
```
#import load_model from keras.model
from keras.models import load_model
#import image class from keras
from keras.preprocessing import image
#import numpy
import numpy as np
#import cv2
import cv2
```

In [ ]:
```
#load the saved model
model = load_model("forest1.h5")
```

In [ ]:
```
#give any random image path
img = image.load_img(r'D:\ArtificiaI Intelligence with Flask\Forest  Combustion Recognition using AI\Main Pı
x = image.img_to_array(img)
#expand the image shape
x = np.expand_dims(x,axis = 0)
```

In [ ]:
```
pred = model.predict_classes(x)
```

In [ ]:
```
pred
```