```
TEST THE MODEL
!unzip '/content/drive/MyDrive/IBMPROJECT/conversation engine for deaf and dumb.zip'
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
import numpy as np
import cv2
model = load_model('/content/Real_time.h5')
img = image.load_img('/content/Dataset/test_set/H/107.png',target_size = (100,100))
img
from skimage.transform import resize
def detect(frame):
 img=image.img_to_array(frame)
 img = resize(img,(64,64,1))
 img = np.expand_dims(img,axis=0)
 pred=np.argmax(model.predict(img))
 op=['A','B','C','D','E','F','G','H','I']
 print("THE PREDICTED LETTER IS ",op[pred])
img=image.load_img("/content/Dataset/test_set/H/107.png")
detect(img)
1/1 [======] - 0s 412ms/step
THE PREDICTED LETTER IS H
img = image.load img('/content/Dataset/test set/A/110.png')
pred=detect(img)
1/1 [======] - 0s 23ms/step
THE PREDICTED LETTER IS A
img=image.load_img('/content/Dataset/test_set/F/108.png')
```

detect(img)

THE PREDICTED LETTER IS F

1/1 [======] - 0s 25ms/step