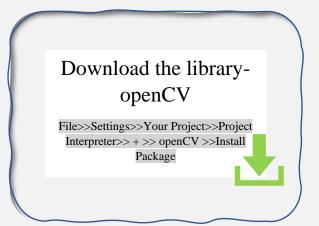
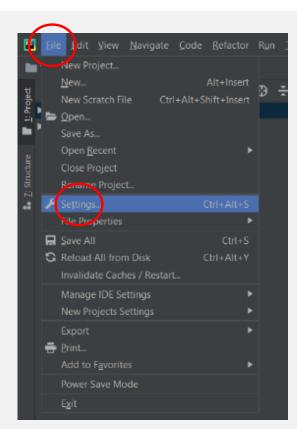


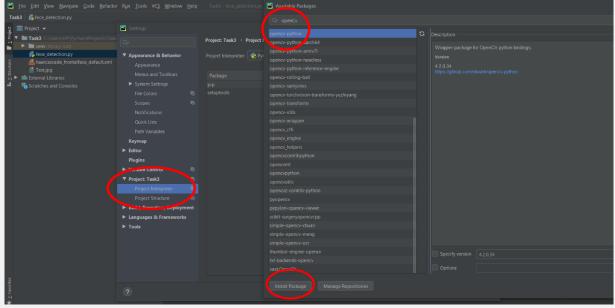
TASK4

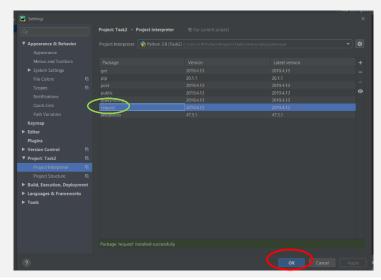
PYTHON CODE FOR MOTION DETECTION







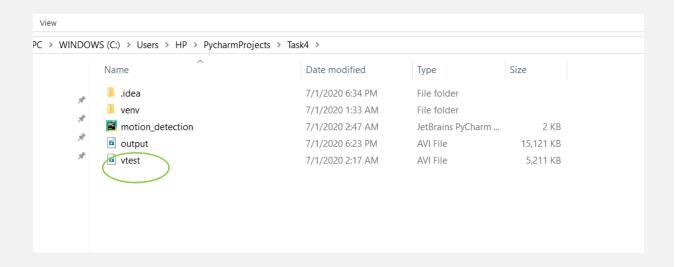




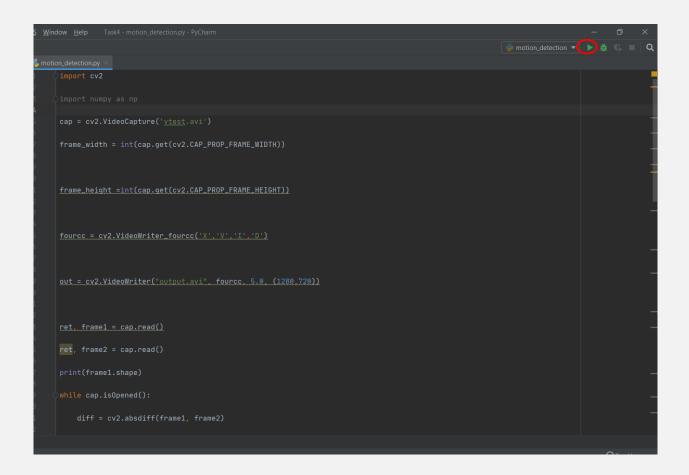


Note

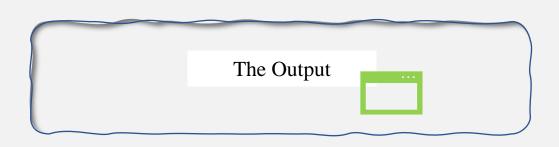
Download test video and save it in the same folder of your project.

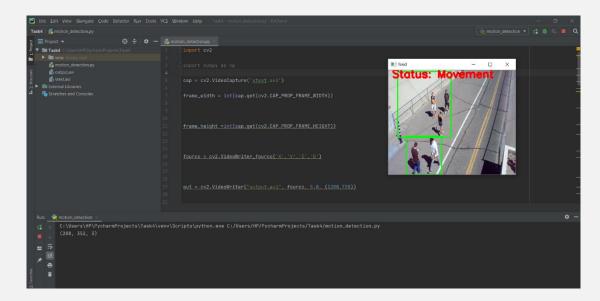


Write the Code Your Project>>New>>Python File>>Write the Code>>Run



```
import numpy as np
frame_height =int(cap.get(cv2.CAP_PROP_FRAME_HEIGHT))
fourcc = cv2.VideoWriter_fourcc('X','V','I','D')
ret, frame1 = cap.read()
ret, frame2 = cap.read()
print(frame1.shape)
     diff = cv2.absdiff(frame1, frame2)
          if cv2.contourArea(contour) < 900:</pre>
```





Also, there is a video recording of output you can see.