

NOTIFICATION

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Project tittle	Smart Solutions for Railways

```
import pyttsx3
```

```
from plyer import notification
```

```
import time
```

```
# Speak method
```

```
def Speak(self, audio):
```

```
    # Calling the initial constructor
```

```
    # of pyttsx3
```

```
    engine = pyttsx3.init('sapi5')
```

```
    # Calling the getter method
```

```
    voices = engine.getProperty('voices')
```

```
    # Calling the setter method
```

```
    engine.setProperty('voice', voices[1].id)
```

```
    engine.say(audio)
```

```
    engine.runAndWait()
```

```
def Take_break():
```

```
Speak("Do you want to start sir?")
```

```
question = input()
```

```
if "yes" in question:
```

```
    Speak("Starting Sir")
```

```
if "no" in question:
```

```
    Speak("We will automatically start after 5 Mins Sir.")
```

```
    time.sleep(5*60)
```

```
    Speak("Starting Sir")
```

```
# A notification we will held that
```

```
# Let's Start sir and with a message of
```

```
# will tell you to take a break after 45
```

```
# mins for 10 seconds
```

```
while(True):
```

```
    notification.notify(title="Let's Start sir",
```

```
    message="will tell you to take a break after 45 mins",
```

```
    timeout=10)
```

```
# For 45 min the will be no notification but
```

```
# after 45 min a notification will pop up.
```

```
time.sleep(0.5*60)
```

```
Speak("Please Take a break Sir")
```

```
notification.notify(title="Break Notification",
```

```
message="Please do use your device after sometime as you have"  
"been continuously using it for 45 mins and it will affect your eyes",  
timeout=10)
```

```
# Driver's Code
```

```
if __name__ == '__main__':
```

```
    Take_break()
```