

Assignment - Mashup

General Instructions – Must Read

- **Submission Guidelines**
 - **[Required]** Program 1: One python (.py) file
 - **[Required]** Program 2: WebApp link for Mashup
- **Note**
 - Multiple submissions are allowed, but **latest submission** will be considered for the evaluation.
 - Submission link will open all the time, but only 50% marks will be awarded if you fail to submit within the due date. No excuse will be considered for the submission.
 - **Zero marks** will be awarded for plagiarized code or result.

Program 1 [Required]: Develop a command line python program to implement the Mashup.

- Program file name must be <Rollnumber>.py
Example: 1015579.py
- Program need to perform the following task
 - Download N videos of X singer from “Youtube” [N can be any positive number greater than 10; X can be any singer e.g. sharry maan] (**use pypi.org**)
 - Convert all the videos to audio (**use pypi.org**)
 - Cut first Y sec audios from all downloaded files [Y can be any positive number greater than 20] (**use pypi.org**)
 - Merge all audios to make a single output file (**use pypi.org**)
- **Run the program** through command line as:
Usages: python <program.py> <SingerName> <NumberOfVideos> <AudioDuration> <OutputFileName>
Example: python 101556.py “Sharry Maan” 20 20 101556-output.mp3
- **Your program must check for:**
 - Correct number of parameters.
 - Show the appropriate message for wrong inputs.
 - Handling of exception (if any)

Program 2 [Required]: Develop a web service for Mashup.

Singer Name	<input type="text" value="Sharry Mann"/>
# of videos	<input type="text" value="20"/>
duration of each video	<input type="text" value="30 sec"/>
Email Id	<input type="text" value="psrana@gmail.com"/>
<input type="button" value="Submit"/>	

- User must provide singer name, number of videos, duration of each video and email id.
- User should get the result file in zip format through email.
- Email id must be correct