IT352-Lab-Program-2 for First Set of Students

For Reg. No 181560181IT245, 191300191IT101-191023191IT212

Use any one of the programming languages such as C/C++/Java/Python to compute signature database for the given set of URL (phish_score.excel) by using MD5 hash algorithm as signature generator. **First task** is to generate the signature database which involves computation of separate signature for separate URL (consider output of the MD5 hash algorithm as a signature). Print the generated signature on the terminal and also store the generated signature on the output file with the file name "*RegisterNo_IT352_signature_URL_database.txt*". Print the time consumed to generate the signature database onto the terminal. **Second task** involves lookup operation for a given test input. Consider the given test input, compute the signature for it, then perform lookup operation with created signature database "*RegisterNo_IT352_signature_database.txt*". If there is match, print the followings on the terminal one by one: "complete URL", "its signature" and "URL exists" else print on the terminal that "URL does not exist". Store the output of the lookup operation on the output file also.

IT352-Lab-Program-2 for First Set of Students Contd.

For Reg. No 181IT245, 191IT101-191IT212

Sample Text Cases

1. twitter.com
2. instagram.com
3. linkedin.com
4. microsoft.com
5. apple.com

IT352-Lab-Program-2 for Second Set of Students

For Reg. No 191IT213 - 191IT258

Use any one of the programming languages such as C/C++/Java/Python to compute signatures for the given set of images (https://github.com/cair/Fire-Detection-Image-Dataset/blob/master/Fire%20images.rar) by using SHA256 hash algorithm as signature generator. **First task** is to generate the signature database which involves computation of separate signature for separate image (consider output of the SHA256 hash algorithm as a signature). Print the generated signature on the terminal and also store the generated signature on the output file with the file name "*RegisterNo_IT352_image_signature_database.txt*". Print the time consumed to generate the signature database onto the terminal. **Second task** involves lookup operation for a given test input. Consider the given test input, compute the signature for it, then perform lookup operation with created signature database "*RegisterNo_IT352_signature_image_database.txt*". If there is match, print the followings on the terminal one by one: "complete image", "its signature" and "image exists" else print on the terminal that "image does not exist". Store the output of the lookup operation on the output file also.

IT352-Lab-Program-2 for Second Set of Students

For Reg. No 191IT213 - 191IT258

Sample Text Cases

IT352-Lab-Program-2 Submission Details

File name of the program : RegisterNo_IT352_P2 (P2 indicates Lab Program Number-2)

Date of Lab Program-2 : 3rd February 2022 Wednesday

Deadline of Submission : 5th February 2022 Saturday on or before 6:00PM.

Submit the generated 5 output files, 5 screenshots. signature database and program file to the Moodle under the web-link title “IT352-Lab-Program-2-Submisison Web Link”.

Note : No/Zero marks for incomplete submission/late submission/incomplete program.