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| ***Heaven’s Light is Our Guide*** |
| **Rajshahi University of Engineering & Technology** |
| ***Department of Computer Science & Engineering*** |
| **4th Year 1st Semester B.Sc. Engineering Examination** |
| **Course No:** CSE 4106 |
| **Course Title:** Sessional Based on CSE 4105 |
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| **Serial No.** | **Name of the Experiment** |
| **1** | 1. Write a program to read, write and display an image. |
| 1. Display the properties of the given image like height, width, no. of channels and size. |
| 1. Display the individual channels (R, G, B) pixel values in that image. |
| 1. Separate the given color image in three R G & B color channels.   **Sample Input:**    **Sample Output:** |
| 1. Convert the given color image into gray-scale image and display the shape of the gray-scale image.   **Sample Output:** |
| 1. Write a program to read an image and perform cropping and flipping operations on that image. |
| 1. Resize only the width and height of the given image respectively and display both images. |
| 1. Display the input image according to the following outputs.   **Sample Input:**    **Sample Output:** |
| 1. Write a program to create a 512X512 full black image and draw line, rectangle, circle and text on that image.   **Sample Input:**    **Sample Output:** |
|  | 1. Write a program to perform the appropriate operations on the given input image and display the output images.   **Sample Input:**    **Sample Output:** |