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| Task. No.: | 4 | Points: | 5 | RGBD Imaging |

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| Objectives:  1. Using Python. 2. Working RGB camera. 3. Working depth camera. 4. Performing image thresholding. |

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| Description: The aim of this exercise is to capture images from the Intel Realsense’s RGB and Depth cameras. After thresholding the Depth image based on a minimum and maximum distance, a filtered binary mask is applied to RGB Image to only show the image within that range. |

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| Step | Action |
| 1 | Upload *RGBD\_Imaging.py* file to the QCar. You can use winscp tool.  One side shows a RGBD_Imaging.py file and the other side shows the winscp tool interface. |
| 2 | Change the code to define the image frame size and the maximum & minimum distance for the depth image filtering to achieve a good output image. |
| 3 | The results should look similar to the following image.  QCar |

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