
# IICT

## LAB REPORT # 10

Semester “1”

Section “C”

Submitted To:

## Sir Khurram Shehzad

Submitted By:

**Name: Abdul Ahad**

**Roll No. 22-CS-071**

# Connecting and interacting with I/O devices attached to the system

**Q1**: Install the drivers of a printer and a scanner.

**ANS:-**

1. Determine the make and model of your printer and scanner.
2. Visit the manufacturer's website and locate the drivers for your make and model.
3. Download the drivers for your printer and scanner.
4. Connect your printer and scanner to your computer.
5. Open the driver installation file for your printer and follow the on-screen instructions.
6. Follow the on-screen instructions to complete the setup of your printer and scanner. Printer driver is installed, open the driver installation file for your scanner and follow the on-screen instructions.
7. Once the drivers are installed, run the printer and scanner setup program

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**Q2:** Write all the steps to scan a document and then print that document with pics.

**ANS:-**

## Scanning a Photo

**1. Connect your scanner to your computer.** Although most of today's scanners connect via USB cords, some older scanners connect to the serial and parallel ports on most computers. Plug the smaller end of the USB cord into your scanner's slot, and the bigger end into your PC.

2. **Power the scanner and turn the scanner on.** Plug in the power cord to the scanner as well as the other end into the electrical outlet, and turn the device on. If you've already connected the scanner to your computer to grab the drivers to run the scanner to your computer, you can turn each item on in whatever order you feel to be most comfortable; however, if not, prepare to turn on the scanner once you are logged into your computer's user account.

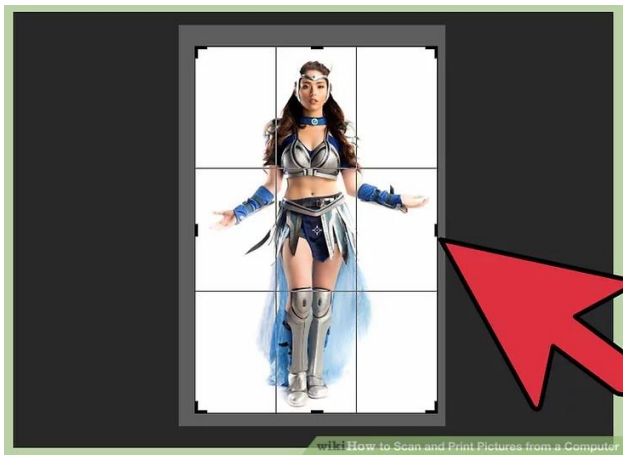

3. **Place whatever you want to scan into the scanner.** Make sure that the picture is face down onto the scanner glass. Almost all scanners will have tiny insignias mentioning in which corner the picture will need to be placed. Place it a teensy-weensie bit below this area.

- If the scanner has what's called an automatic document feeder, do not use this. Using these, on top of not being able to re-obtain the finished pictures, will also cause the pictures to jam the machine and the picture will also smudge. **Only use the flatbed area of your scanner to obtain scans of your pictures.**

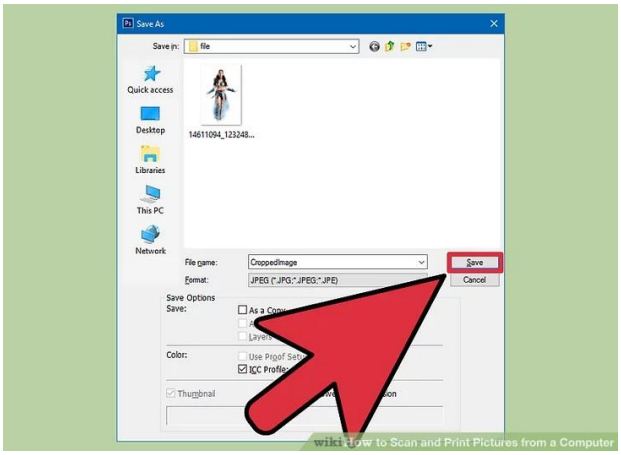
4. **Follow the directions from the scanner's manual as well as the scanner's third-party software to ensure you are pressing the right buttons.** Sometimes the button will be called "Scan" and other times it may be called something else entirely.

- Sometimes, pressing the Scan button on your scanner will launch your scanning software, while other times, you can open your software where you can import pictures via your scanner and scan using this.
- Do not take your picture from the scanner flatbed portion. Most scanners will need to rescan a select portion and save that area (as you'll see later).


5. **Crop the previewed image if the scanning software you use offers you to preview the scan before you save the image.** Make sure that any of the white background that was used isn't showing in your finished image, and remember to rotate the image if possible.

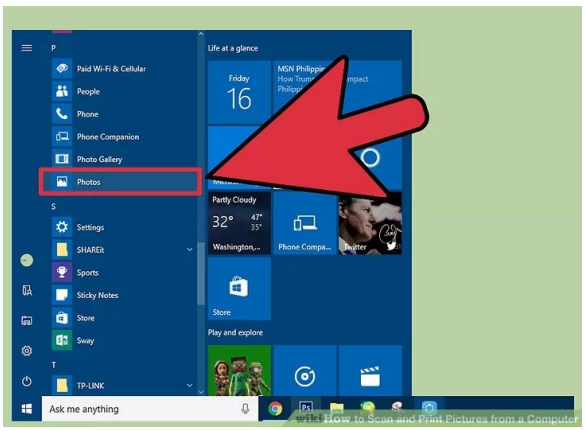


6. **Save the image.** Most often doing so, this will take a secondary scan of the item as to scan only those areas.

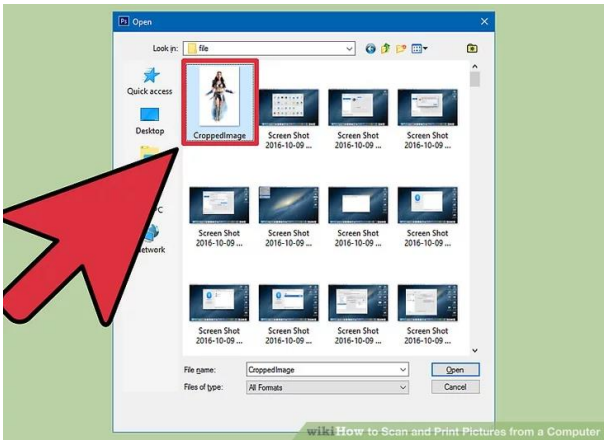



## Printing a Photo

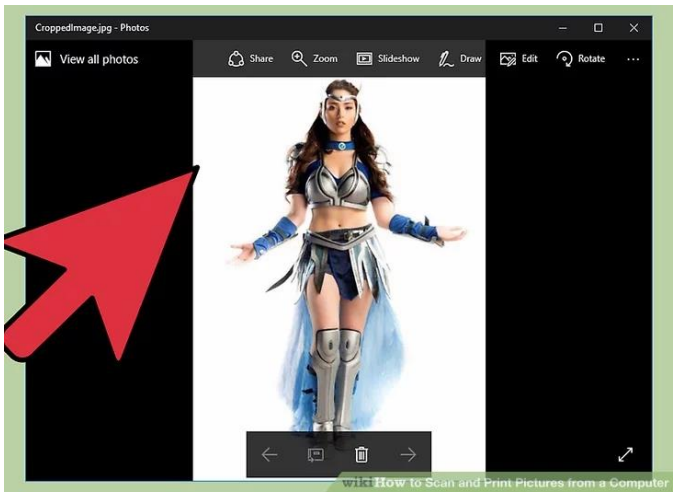
1. Launch the program that you use to view your pictures. **Sometimes this can be based off your operating system and sometimes this is a third-party software (such as Adobe Photoshop) or sometimes it's another program entirely different.**



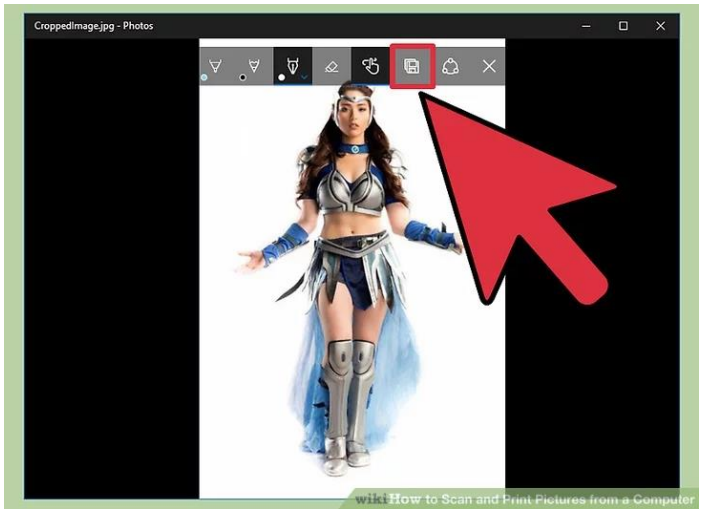

2. Open the file of the picture you saved previously in this program. **Most often times, this will be done with a quick keyboard shortcut of Ctrl + O, but you'll need to refer to your program documentation menus to ensure this can be done in your program, as not all programs use the same methods to open the Open window.**



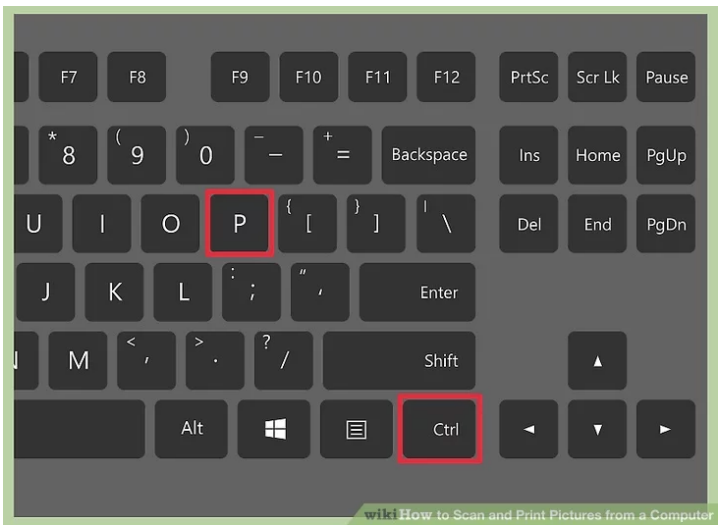

3. **Preview your picture, as you turn on your printer (if it isn't initially on).** Make sure that the picture is really the one you want to view. Make any final adjustments to the picture to make the picture even better. If you aren't a photo-expert and can trust your program to make good decisions, use an Auto-Adjust setting to fix up your photos in edit mode. If you can't, you can manually adjust them with sliders and within the program boundaries until they are to exactly the style you'd like them to be.



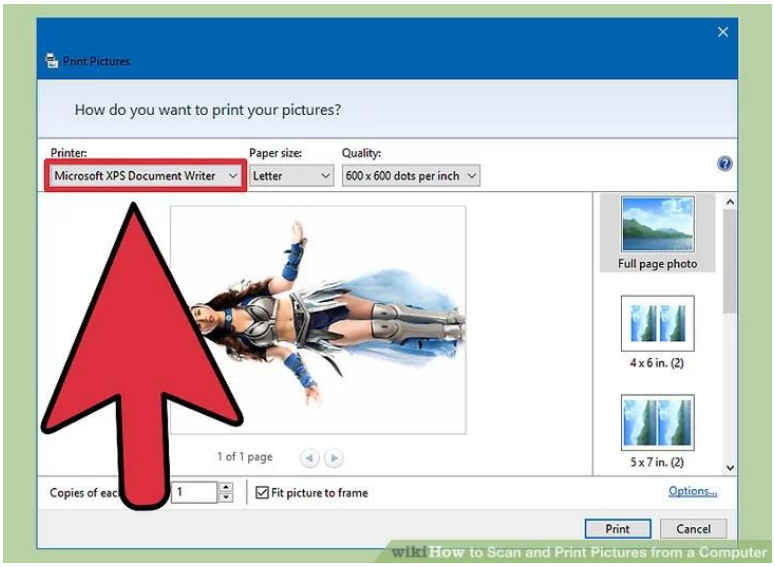

4. Save your file to ensure the most current picture will print, if you've made any changes.



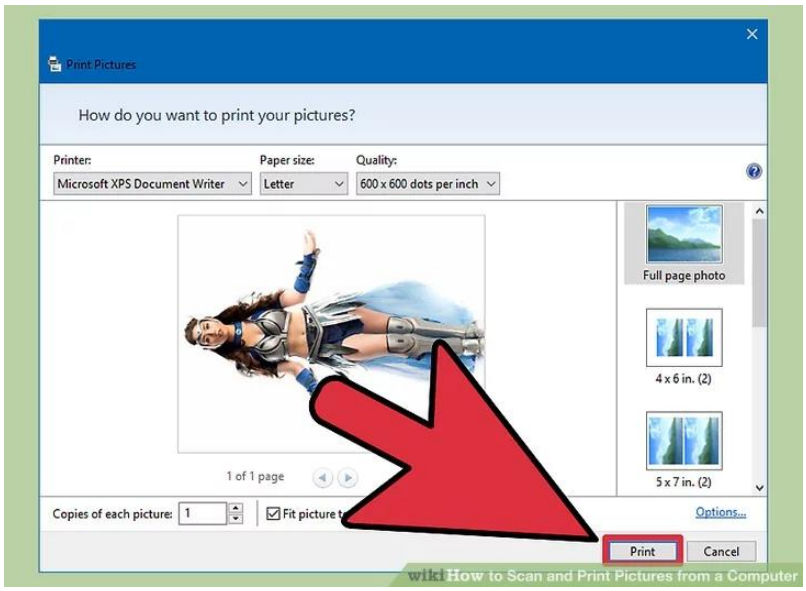

5. Use the keyboard shortcut Ctrl + P or whatever keyboard shortcut the print menu can be found in.




6. **Select the printer it should be printing on, as well as any other document style specifications that might need to be set.** This may include the amount of copies that need to be printed, as well as type of paper that is installed in the printer. Some printers will need you to select other options such as borderless printing and the like, but each printer is different, so follow the directions to your particular printer to find out what that printer is capable of printing.




7. **Print the photo.** Use the buttons on your computer to print the photo.

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**Q3:** (Online Research) what is fragmentation? Write all steps to do fragmentation on your PC's.

**ANS**

Fragmentation is a process of splitting up a large file into smaller chunks of data and storing them in different locations on a hard drive. Fragmentation can help improve the performance of a computer by allowing it to access and write data more quickly. Steps to do fragmentation on your PC:

1. Open the Windows File Explorer.
2. Right-click on the drive you want to defragment (usually the C: drive).
3. Select Properties from the context menu.
4. Select the Tools tab.
5. Click Optimize.
6. Select the drive you want to defragment.
7. Click Analyze to get an overview of the fragmentation level of the drive.
8. Click Optimize to begin the defragmentation process.
9. Wait while the defragmentation finishes.
10. Click Close when the process is complete.

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THE END