

COSC6373S25
Final Exam - Part 2

Exam instructions:

- You have 60 minutes to answer the exam questions.
- Part B: Submit a Jupyter Notebook file and the pdf of your solution on Teams (Name:
 - Final-PartB-Firstname-Lastname.pdf) with your output and comments
 - Important: You can use the Internet while working on Part B

First Name:

Last Name:

Part B:

Task 1



Source: <https://www.invaluable.com/blog/a-brief-history-of-us-dollar-coins/>

- I. To segment the objects from the background in the above image, would you use a supervised or an unsupervised method, and why? (2 points)
- II. Create a Jupyter notebook with the method you propose and plot your segmentation results.
- III. Full credit for this question depends on your answer to the previous question (2 points)

Task 2

- I. Find an image online depicting a person running (2 points)
- II. Create a Jupyter notebook that uses a model that can detect the person's bounding box in the image above. (2 points)
- III. Comment on which model you used and why? (2 points)