

#### Trivial Program:

- Make a program that outputs hello world
- Won't use any data structure
- Basic print statement

#### Intermediate program 1:

- The program will go through an array of students and mark whether they are in attendance.
- array
- Will use array, attendance as a T/F Boolean

#### Intermediate program 2:

- Todo list has a list of activities to do and will have them in order of priority level, each activity has a priority level.
- arrays
- Uses array, checks

#### Intermediate program 3:

- Tik Tak Toe, the program will take user input and check if the space is occupied, also checks if there is a winning line.
- Hash table
- Uses hash tables, demonstrates event handling

#### Complex program:

- Queueing program for simulated waitlist for pre-ordering a product. Users can enter their details into the program, which places them into the queue. Then the program periodically moves the queue forward
- Queue
- Uses a queue, will have people “moving up in the queue”, OOP, User objects will include first and last name age and email