Update the Ship , CruiseShip , and CargoShip Classes by doing the following: (see ships.txt or sol\_inherit.txt)

1. Ship Class: Make the p r i n t function *virtual*.
2. CargoShip class: Add a p r i n t function that overrides the p r i n t function in the base class. The CargoShip class’s print function should display only the ship’s name, year and the

Ship’s cargo capacity. This function should use the base class’s print function to print the ship’s name and year.

**c)** Demonstrate the classes in a program ( having main() ) that has an array of Ship pointers. The array

elements should be initialized with the addresses of dynamically allocated Ship, CruiseShip, and CargoShip objects. The program should then loop through the array, calling each object’s print function polymorphically. (Ref: Fig 12.17)