**CS1380**

**Dr. Abraham**

**Lab Assignment #9 & 10**

Write a program to shuffle a deck of cards. No need to use two dimensional array, unless you want to. We discuss it in class. Here is an example of the program run.

Due: Partial due April 6 Complete due April 13, 2015

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Here is the unshuffled Deck of cards:

CA C2 C3 C4 C5 C6 C7 C8 C9 C10 CJ CQ CK

DA D2 D3 D4 D5 D6 D7 D8 D9 D10 DJ DQ DK

HA H2 H3 H4 H5 H6 H7 H8 H9 H10 HJ HQ HK

SA S2 S3 S4 S5 S6 S7 S8 S9 S10 SJ SQ SK

Here is the suffled Deck:

CA HQ C3 C6 D6 HJ C7 H3 C2 C4 H9 H10 C5

S9 D8 CQ S6 D5 HA SA D2 S3 D10 D7 DQ DK

CK H2 HK D9 H5 S10 H7 D3 CJ D4 H8 S8 S7

H4 SQ DJ S4 C10 H6 S2 C9 DA S5 SJ C8 SK

Press any key to continue . . .

--------------------another run---------------

Here is the unshuffled Deck of cards:

CA C2 C3 C4 C5 C6 C7 C8 C9 C10 CJ CQ CK

DA D2 D3 D4 D5 D6 D7 D8 D9 D10 DJ DQ DK

HA H2 H3 H4 H5 H6 H7 H8 H9 H10 HJ HQ HK

SA S2 S3 S4 S5 S6 S7 S8 S9 S10 SJ SQ SK

Here is the suffled Deck:

S9 S6 C3 D8 C5 D6 H3 DQ DA S3 CJ C7 H6

C2 H9 D3 D4 C4 C6 H10 C10 H5 D10 DJ D5 S10

D9 H2 CK HA C9 D2 H7 H8 D7 SJ HJ HQ DK

SA S2 CQ S8 S5 SK CA S4 S7 H4 C8 SQ HK

This portion is due April 13, 2015

Create a two dimensional array for four players each having a maximum of 13 cards. Deal cards to the four players in a round robin fashion (1 card at a time to a player, rather than all 13 cards at the same time). The output should look like this:

Here is the unshuffled Deck of cards:

CA C2 C3 C4 C5 C6 C7 C8 C9 C10 CJ CQ CK

DA D2 D3 D4 D5 D6 D7 D8 D9 D10 DJ DQ DK

HA H2 H3 H4 H5 H6 H7 H8 H9 H10 HJ HQ HK

SA S2 S3 S4 S5 S6 S7 S8 S9 S10 SJ SQ SK

Here is the suffled Deck:

CA C2 H10 C4 H7 DK DA C8 C9 S4 CJ HK DQ

H6 S8 CQ HA D5 D8 S9 CK S6 SJ C6 D4 H9

S10 H2 H3 D7 DJ HJ H4 H8 S7 C3 SA H5 D9

D3 S2 S3 SK S5 D10 D2 C10 C5 C7 HQ SQ D6

Dealt Hand for player 1:

CA H7 C9 DQ HA CK D4 H3 H4 SA S2 D10 C7

Dealt Hand for player 2:

C2 DK S4 H6 D5 S6 H9 D7 H8 H5 S3 D2 HQ

Dealt Hand for player 3:

H10 DA CJ S8 D8 SJ S10 DJ S7 D9 SK C10 SQ

Dealt Hand for player 4:

C4 C8 HK CQ S9 C6 H2 HJ C3 D3 S5 C5 D6

Press any key to continue . . .