JAVA ASSIGNMENT 4

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BATCH: AIML A1

QUESTION:

Write a menu-driven Java Program for the following:

There are 52 cards in a deck, each of which belongs to one of four suits and one of 13 ranks. Represent a deck of cards as an array of

Objects (*you may use the Vector class)

- 1. Use integers to encode the ranks and suits.
- 2. Have suitable default & parameterized constructors.
- 3. all data members to have private access.
- 4. The class 'Card' to have the following methods: createDeck(), printCard(), printDeck (),sameCard(),compareCard(), sortCard(), findCard() which searches through an array or vector of Cards to see whether it contains a certain card, dealCards() function: to print 5 random cards from the existing deck.

CODE:

```
JAVA ASSIGNMENT | src | Assignment_Ajava |

Sassignment_Ljava | Assignment_Ajava |

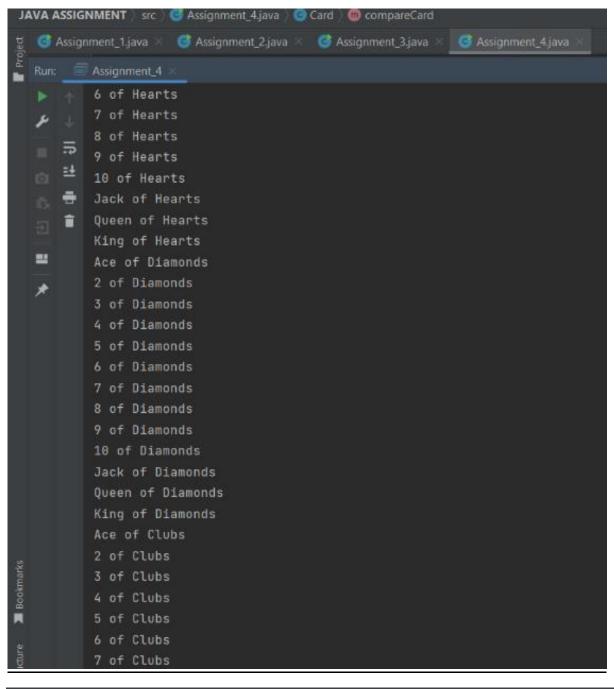
Import java.util.Scanner;
Import java.util.Random;

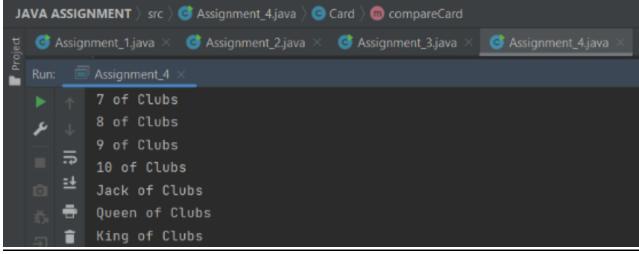
Lamport java.util.Ra
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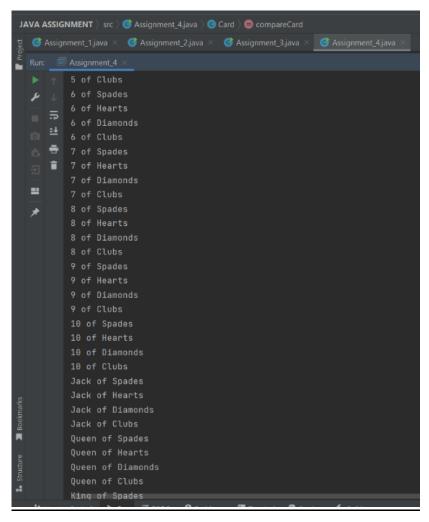
```
JAVA ASSIGNMENT | src | ② Assignment 4.java | ③ Card | ② compareCard | ③ Assignment 1.java | ③ Assignment 3.java | ③ Assignment 4.java | ④ Assignment 4.ja
```

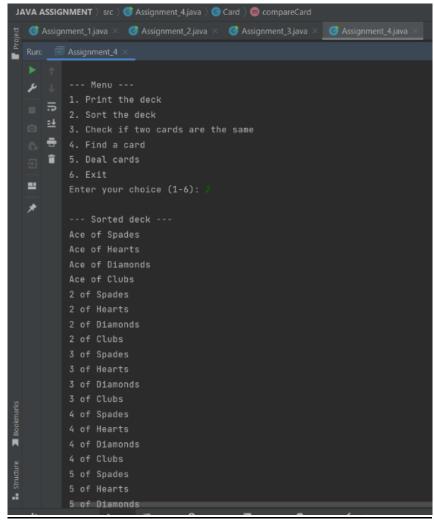
OUTPUT:

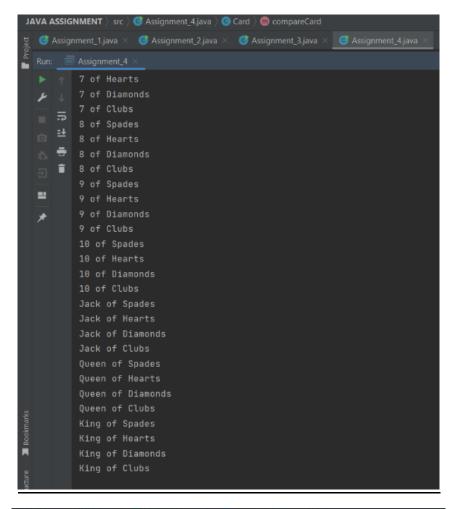
```
JAVA ASSIGNMENT ) src ) 🍪 Assignment_4.java ) 😉 Card ) 📵 compareCard
  🎯 Assignment_1.java 🔻 🎯 Assignment_2.java 🔻 🎯 Assignment_3.java 🗵
          "C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program
  ۶
          --- Menu ---
         2. Sort the deck
         3. Check if two cards are the same
         4. Find a card
          5. Deal cards
  ==
          Ace of Spades
          3 of Spades
          4 of Spades
          5 of Spades
          7 of Spades
          8 of Spades
          9 of Spades
          10 of Spades
          Queen of Spades
          King of Spades
          Ace of Hearts
          2 of Hearts
          3 of Hearts
          4 of Hearts
          5 of Hearts
```

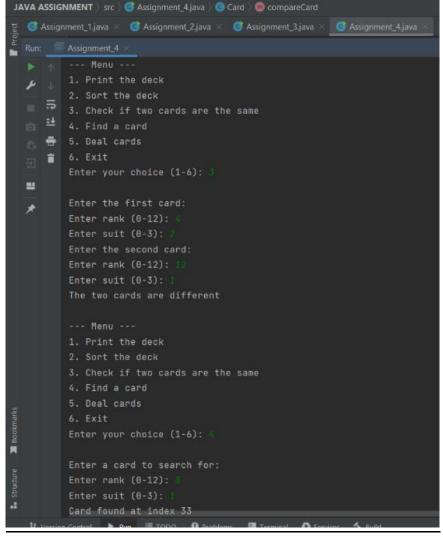


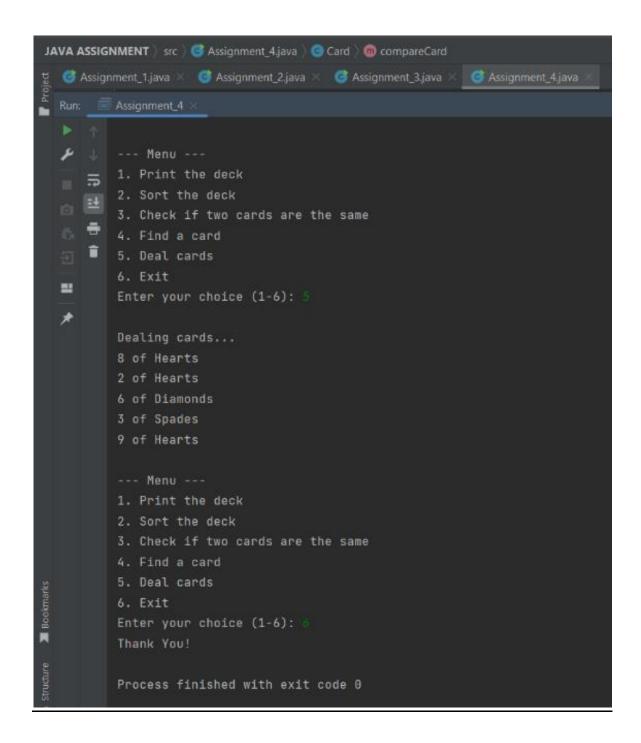












GITHUB LINK:

https://github.com/anvesha31/Java_assignments/blob/6 34f675d715011fb9e73686217ca64655c947509/Assignment%204