JAVA Assignment -4

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Github- https://github.com/Abhinav-kr-2807/JAVA

Problem Statement- 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.

```
Code-import java.util.Scanner;
```

```
public int compareCard(Card other) {
```

```
System.out.print("Enter suit (0-3): ");
int suit = input.nextInt();
return new Card(rank, suit);
}
```

Output:

```
1 "C:\Program Files\Java\jdk-19\bin\java.exe" "-
   javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
   Community Edition 2023.1\lib\idea_rt.jar=50828:C:\
   Program Files\JetBrains\IntelliJ IDEA Community
   Edition 2023.1\bin" -Dfile.encoding=UTF-8 -Dsun.
   stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -
   classpath "C:\Users\AK-Lenovo\IdeaProjects\Deck of
   Cards\out\production\Deck of Cards" CardDeckGame
 2
 3 --- Menu ---
 4 1. Print the deck
 5 2. Sort the deck
 6 3. Check if two cards are the same
 7 4. Find a card
8 5. Deal cards
9 6. Exit
10 Enter your choice (1-6): 1
11
12 --- Deck ---
13 Ace of Spades
14 2 of Spades
15 3 of Spades
16 4 of Spades
17 5 of Spades
18 6 of Spades
19 7 of Spades
20 8 of Spades
21 9 of Spades
22 10 of Spades
23 Jack of Spades
24 Queen of Spades
25 King of Spades
26 Ace of Hearts
27 2 of Hearts
28 3 of Hearts
29 4 of Hearts
30 5 of Hearts
31 6 of Hearts
32 7 of Hearts
33 8 of Hearts
34 9 of Hearts
```

```
35 10 of Hearts
36 Jack of Hearts
37 Queen of Hearts
38 King of Hearts
39 Ace of Diamonds
40 2 of Diamonds
41 3 of Diamonds
42 4 of Diamonds
43 5 of Diamonds
44 6 of Diamonds
45 7 of Diamonds
46 8 of Diamonds
47 9 of Diamonds
48 10 of Diamonds
49 Jack of Diamonds
50 Queen of Diamonds
51 King of Diamonds
52 Ace of Clubs
53 2 of Clubs
54 3 of Clubs
55 4 of Clubs
56 5 of Clubs
57 6 of Clubs
58 7 of Clubs
59 8 of Clubs
60 9 of Clubs
61 10 of Clubs
62 Jack of Clubs
63 Queen of Clubs
64 King of Clubs
65
66 --- Menu ---
67 1. Print the deck
68 2. Sort the deck
69 3. Check if two cards are the same
70 4. Find a card
71 5. Deal cards
72 6. Exit
73 Enter your choice (1-6): 3
74
75 Enter the first card:
```

```
File - CardDeckGame
 76 Enter rank (0-12): 6
 77 Enter suit (0-3): 2
 78 Enter the second card:
 79 Enter rank (0-12): 9
 80 Enter suit (0-3): 1
 81 The two cards are different
 82
 83 --- Menu ---
 84 1. Print the deck
 85 2. Sort the deck
 86 3. Check if two cards are the same
 87 4. Find a card
 88 5. Deal cards
 89 6. Exit
 90 Enter your choice (1-6):
```