



WORKSHEET – 5

Student Name: Anjali Singh UID: 20BCS9239

Branch: BE-CSE Section/Group: 607 A

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Subject Name: Project based learning with Java

Subject Code: 20CSP-321

Aim: Collect Unique Symbols From Set of Cards

Software used: IntelliJ

Task to be done:

Playing cards during travel is a fun filled experience. For this game they wanted to collect all four unique symbols. Can you help these guys to collect unique symbols from a set of cards? Create Card class with attributes symbol and number. From our main method collect each card details (symbol and number) from the user. Collect all these cards in a set, since set is used to store unique values or objects. Once we collect all four different symbols display the first occurrence of card details in alphabetical order.





CODE

```
package com.nirvana;
       HashMap<String, Integer> firstEntry = new HashMap<>();
       String cardType;
           if (mp.containsKey(cardType)) {
               cardValue.add(value);
               firstEntry.put(cardType, value);
               mp.put(cardType, cardValue);
```





```
getData.getValue();
    Iterator itr= symbolArray.iterator();
    while (itr.hasNext()) {
        noofSameCard++;
        int num = (int) itr.next();
        sumOfSameCard += num;
    }

    System.out.println("Number of Cards : " + noOfSameCard);
    System.out.println("Sum of Values of Card Type

'"+getData.getKey()+"' is: "+ sumOfSameCard);
        sumOfSameCard = 0;
        noOfSameCard = 0;
    }

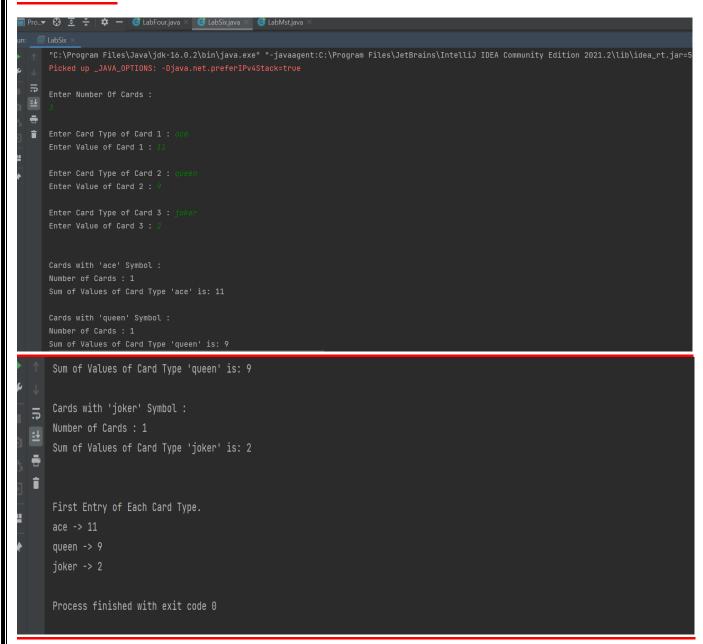
    System.out.println("");
    System.out.println("\nFirst Entry of Each Card Type.");
    for(Map.Entry getData : firstEntry.entrySet()) {
        System.out.println(getData.getKey() + " ->

"+getData.getValue());
    }
}
```





OUTPUT







LEARNING OUTCOME

- 1.Learned about collection framework.
- 2.Hashmap, tree map and list were implemented.