```
from random import randint
 1
 2
     class Dice:
         def __init__(self, defaultValue): # self - represents the object to be created
             constuctor that execute when a Dice object is created
             the default value for the dice is 4
             ....
 8
             self.__value = defaultValue # (dunder) ==> PRIVATE attribute
 9
10
11
         def roll(self):
12
             self.__value = randint(1,6)
13
                                                                                                Dice
14
         def getValue(self): # accessor
15
                                                                                   - value: int
16
             return self.__value
17
                                     # no mutator for Dice object as it is not ethical to do so
                                                                                   + init ()
18
         def str (self):
                                                                                   + roll()
19
             return "Value of the dice is " + str(self.__value)
                                                                                   + getValue(): int
20
                                                                                   + __str__(): str
21
     if __name__ == '__main__':
22
23
         d1 = Dice(1)
24
         d2 = Dice(2)
25
         print(d1.__str__())
26
         print(d2)
27
                                          # Different ways to call the str method of Dice object
         print(str(d2))
28
29
         d2.roll()
30
         d1.roll()
31
32
         print("d1 is", d1.getValue())
         print("d2 is", d2.getValue())
33
```

UML diagrams for Deck and Card class

