

Marist College

# Object Oriented Programming in Java

**Assignment\_7**

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By-  
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1.

MyLong
-value : long
MyLong(value : long) +getLong():long +isEven() : boolean +isOdd() : boolean +isPrime() : boolean +isEven(val : long):boolean +isOdd(val : long):boolean +isPrime(val : long):boolean +isEven(val : MyLong):boolean +isOdd(val : MyLong):boolean +isPrime(val : MyLong):Boolean +parseLong(arr : char[]) +parseLong(str : String)

2.

Card
-cardNum : String -suit : String
Card(suit : String, cardNum:String) + getValue(card:Card):String +getSuit(s:Card):String +getCardNum (c:Card):String +printCard (card : Card):String

DeckOfCards
-cards: Card[] -suits: String[]
+ DeckOfCards(countOfCards:int, suit:String) +printDeck () +fetchNum (num : int):String +fetchCard (num : int):String

3.

Circle
-x:double -y:double -radius : double
Circle() Circle(x:double, y:double, radius:double) +getX():double +getY():double +getRadius():double +getArea():double +getPerimeter():double +contains(x:double, y:double) : boolean +contains(circle : Circle) : boolean +overlaps(circle : Circle) : boolean