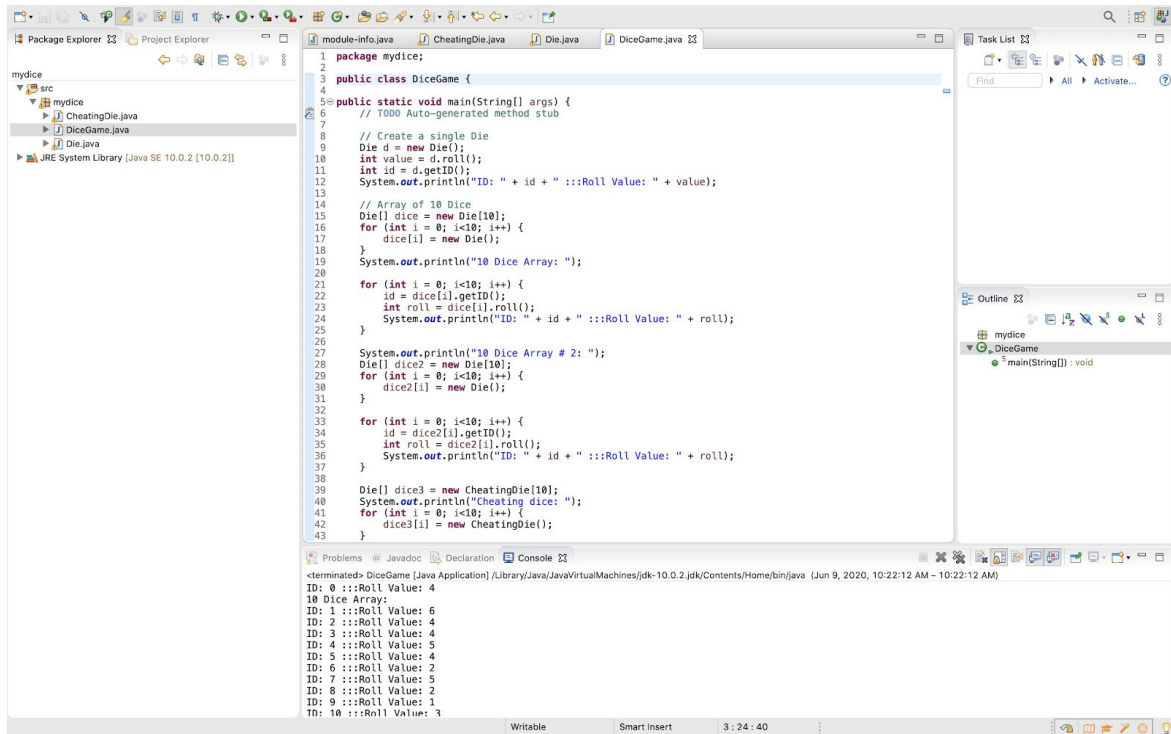


Phase 1

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- Sample dice code:



```
1 package mydice;
2
3 public class DiceGame {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8         // Create a single Die
9         Die d = new Die();
10        int value = d.roll();
11        int id = d.getID();
12        System.out.println("ID: " + id + " :: Roll Value: " + value);
13
14        // Array of 10 Dice
15        Die[] dice = new Die[10];
16        for (int i = 0; i < 10; i++) {
17            dice[i] = new Die();
18        }
19        System.out.println("10 Dice Array: ");
20
21        for (int i = 0; i < 10; i++) {
22            id = dice[i].getID();
23            int roll = dice[i].roll();
24            System.out.println("ID: " + id + " :: Roll Value: " + roll);
25        }
26
27        System.out.println("10 Dice Array # 2: ");
28        Die[] dice2 = new Die[10];
29        for (int i = 0; i < 10; i++) {
30            dice2[i] = new Die();
31        }
32
33        for (int i = 0; i < 10; i++) {
34            id = dice2[i].getID();
35            int roll = dice2[i].roll();
36            System.out.println("ID: " + id + " :: Roll Value: " + roll);
37        }
38
39        Die[] dice3 = new CheatingDie[10];
40        System.out.println("Cheating dice: ");
41        for (int i = 0; i < 10; i++) {
42            dice3[i] = new CheatingDie();
43        }
44    }
45 }
```

Console Output:

```
<terminated> DiceGame [Java Application] /Library/Java/JavaVirtualMachines/jdk-10.0.2.jdk/Contents/Home/bin/java (Jun 9, 2020, 10:22:12 AM - 10:22:12 AM)
ID: 0 :: Roll Value: 4
10 Dice Array:
ID: 1 :: Roll Value: 6
ID: 2 :: Roll Value: 4
ID: 3 :: Roll Value: 4
ID: 4 :: Roll Value: 5
ID: 5 :: Roll Value: 4
ID: 6 :: Roll Value: 2
ID: 7 :: Roll Value: 5
ID: 8 :: Roll Value: 2
ID: 9 :: Roll Value: 1
ID: 10 :: Roll Value: 3
```

- Team Number: 7
- Topic: Multi-User File Storage System
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