DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING
Discover. Learn. Empower.

EXPERIMENT – 2.2

Name: Rohan Jaiswal   **UID:** 21BCS2856

Branch: CSE   **Section/Group:** 608 (B)

Semester: 3rd   **Date of Performance:** 14/09/22

Subject Name: OOP using JAVA   **Subject Code:** 21CSH-218

1. **Aim of the practical:** Hacker Rank problems related to Method Overriding.

2. **Objective:**

   - Write an overridden *getNumberOfTeamMembers* method that prints the same statement as the superclass' *getNumberOfTeamMembers* method, except that it replaces with (the number of players on a Soccer team).
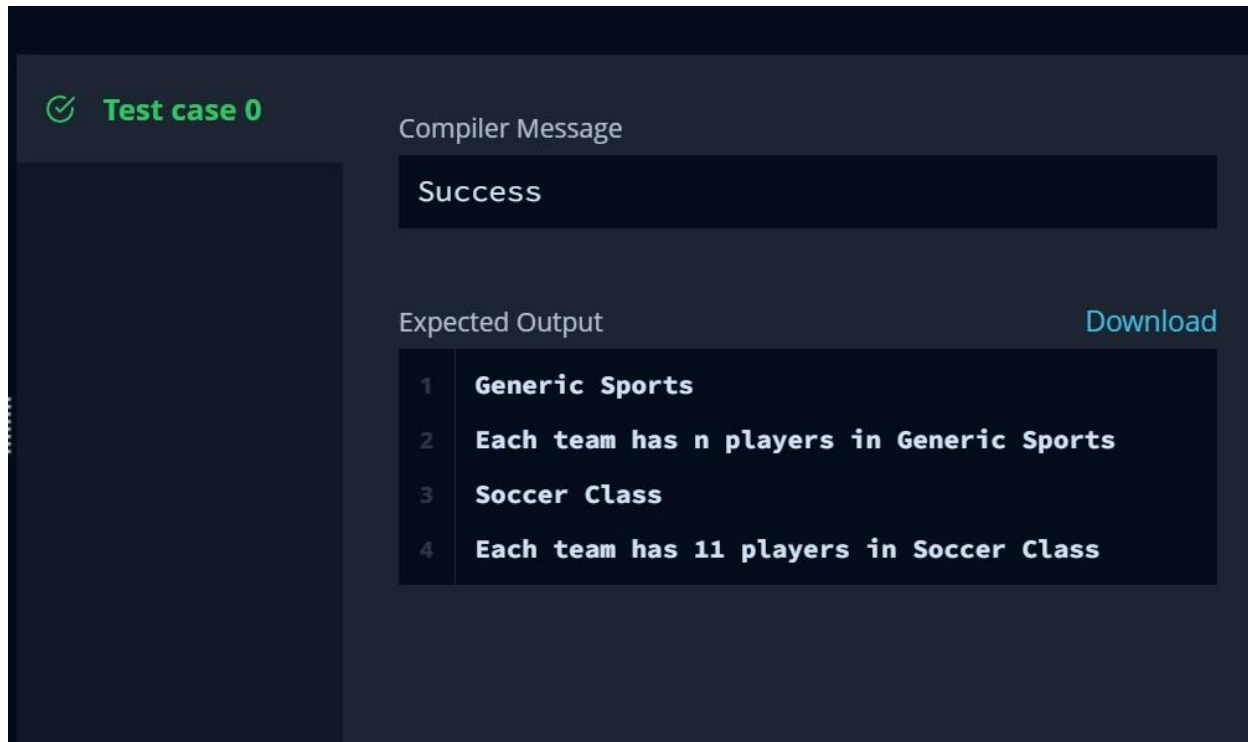
   ## Expected Output:

Generic Sports
Each team has n players in Generic Sports
Soccer Class
Each team has 11 players in Soccer Class

3. **Program Code:**

```java
import
java.util.*;
class Sports
{
  String getName()
  {
     return "Generic Sports";
  }
  void getNumberOfTeamMembers()
  {
     System.out.println( "Each team has n players in " + getName() );
  }
}
class Soccer extends Sports
{  //Override
  String
  getName()
  {
     return "Soccer Class";
  }
void getNumberOfTeamMembers()
{
 System.out.println( "Each team has 11 players in " + getName() );
}
}
public class Solution
{
  public static void main(String []args)
  {
     Sports c1 = new
```

```
        Sports(); Soccer c2
        = new Soccer();
        System.out.println(c1.getName());
c1.getNumberOfTeamMembers();
                                System.out.println(c2.get
    Name());c2.getNumberOfTeamMembers();
  }
}
```

4. **Output:**