**Experiment – 2.2**

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**Branch:** CSE **Section/Group:**

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**Subject Name:** Object Oriented Programming **Subject Code:** 21CSH-218 Using Java

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

# 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

1. **Program Code:**

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.getName()); c2.getNumberOfTeamMembers();

}

}

# Output:

