

# Package ‘SportsTour’

January 20, 2025

**Type** Package

**Title** Display Tournament Fixtures using Knock Out and Round Robin Techniques

**Version** 0.1.0

**Description** Use of Knock Out and Round Robin Techniques in preparing tournament fixtures as discussed in the Book Health and Physical Education by 'Dr. V K Sharma'(2018,ISBN:978-93-5272-134-4).

**License** GPL

**Encoding** UTF-8

**NeedsCompilation** no

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knock_out_fixture	<i>Displays fixture for the tournament when number of teams is not exactly power of two using the "Bye" method</i>
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## Description

Displays fixture for the tournament when number of teams is not exactly power of two using the "Bye" method

**Usage**

```
knock_out_fixture(number_of_teams)
```

**Arguments**

```
number_of_teams  
                input numeric
```

**Value**

```
text           Displays fixture for the tournament along with other necessary details such as  
                number of matches, number of rounds, number of byes etc.
```

**Examples**

```
number_of_teams=4  
knock_out_fixture(number_of_teams)
```

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knock_out_two	<i>Displays fixture for the tournament when number of teams is power of two</i>
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**Description**

Displays fixture for the tournament when number of teams is power of two

**Usage**

```
knock_out_two(number_of_teams)
```

**Arguments**

```
number_of_teams  
                input numeric
```

**Value**

```
text           Displays fixture for the tournament
```

**Examples**

```
number_of_teams=4  
knock_out_two(number_of_teams)
```

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round\_robin\_fixture     *Displays fixture for the tournament for a given number of team using "staircase" or "cyclic" method*

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**Description**

Displays fixture for the tournament for a given number of team using "staircase" or "cyclic" method

**Usage**

```
round_robin_fixture(number_of_teams,method)
```

**Arguments**

number_of_teams	numeric
method	method for setting fixture "staircase" for staircase method and "cyclic" for cyclic method

**Value**

text	Displays fixture for the tournament
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**Examples**

```
number_of_teams=4  
round_robin_fixture(number_of_teams,method="staircase")
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