

Archer TABLE

INSERT INTO `Archer` (FirstName, LastName, BirthYear, Gender) VALUES

```
('Jan','Lubawski',1946,'M'),
('John','Doe',2000,'M'),
('Jane','Doe',2004,'F'),
('Connie','Confluence',2004,'F'),
('Justin','Austin',1965,'M'),
('Lane','Richard',1995,'F'),
('Bob','Johnson',2003,'M'),
('Ethan','Brown',2001,'M'),
('Noe ','Lynn',2010,'F'),
('Abigail','Villegas',1984,'F'),
('Nicolas','Chang',1992,'M'),
('Priscilla','Bell',1954,'M'),
('Francis','Dickson',1998,'M'),
('Renee ','Dickson',2007,'M'),
('Barbara','Hoffman',2011,'F'),
('Lena','Mcdonald',2005,'F'),
('Andreas','Brock',2010,'F'),
('Ash','Ketchum',1996,'M'),
('James','Kojirō',1980,'M'),
('Samuel','Oak',1945,'M'),
('Delia','Ketchum',1960,'F'),
('Misty','Williams',1996,'F'),
('Brock','Harrison',1990,'M'),
('Sonia','Magnolia',2000,'F'),
('Willow','Pryce',2010,'F'),
('Birch','Maple',2001,'F'),
('Caroline','Maple',2009,'F'),
('Magnolia','Maple',2010,'F'),
('Twilight','Sparkle',2000,'F'),
('Rainbow','Dash',2001,'F'),
('Apple','Bloom',2014,'F'),
('Derpy','Hooves',2002,'F'),
('Shining','Armor',1996,'M'),
('Angel','Bunny',2010,'F'),
('Octavia','Melody',2002,'F'),
('Big','McIntosh',2001,'F'),
('Photo','Finish',1998,'F'),
('Pinkie','Pie',2000,'F'),
('Cheese','Sandwich',1996,'M'),
('Carrot','Top',1970,'F'),
('Twilight','Velvet',1970,'F'),
('Vinyl','Scratch',2004,'F'),
('Trixie','Lulamoon',2001,'F'),
('Doctor','Whooves',1950,'M'),
```

```
('Zephyr', 'Breeze', 2007, 'M'),
('Filthy', 'Rich', 1970, 'M'),
('Granny', 'Smith', 1950, 'F'),
('Maud', 'Pie', 1996, 'F'),
('Lyra', 'Heartstrings', 1999, 'F'),
('Fizzlepup', 'Berrytwist', 2000, 'F'),
('Lemon', 'Hearts', 1996, 'F'),
('Flash', 'Sentry', 1997, 'M')
('Mark', 'Fischbach', 1989, 'M'),
('Seán', 'McLoughlin', 1990, 'M'),
('Ethan', 'Nestor', 1996, 'M'),
('Grant', 'Leslie', 1973, 'M'),
('Miku', 'Hatsune', 2007, 'F'),
('Rin', 'Kagamine', 2008, 'F'),
('Len', 'Kagamine', 2008, 'M'),
('Luka', 'Megurine', 2009, 'F'),
('Iroha', 'Nekomura', 2010, 'F');
```

Equipment info

```
INSERT INTO `Equipment`(`Name`) VALUES
('RC'),
('L'),
('B'),
('RCB'),
('C'),
('BL'),
('RCBL');
```

ARCHER EQUIPT

```
INSERT INTO `ArcherEquipment`(`ArcherID`, `EquipmentID`) VALUES
```

(1, 1),
(2, 1),
(3, 2),
(4, 1),
(5, 6),
(6, 4),
(7, 1),
(8, 4),
(9, 1),
(10, 6),
(11, 6),
(12, 7),
(13, 1),
(14, 5),
(15, 4),
(16, 5),
(17, 3),
(18, 2),
(19, 1),
(20, 1),
(21, 7),
(22, 3),
(23, 6),
(24, 5),
(25, 2),
(26, 1),
(27, 6),
(28, 1),
(29, 1),
(30, 5),
(31, 3),
(32, 5),
(33, 4),
(34, 2),
(35, 5),
(36, 7),
(37, 2),
(38, 6),
(39, 3),
(40, 5),
(41, 2),
(42, 6),
(43, 3),
(44, 4),
(45, 2),
(46, 6),
(47, 1),
(48, 7),
(49, 2),
(50, 1),

```
(51, 4),  
(52, 2),  
(53, 1),  
(54, 2),  
(55, 3),  
(56, 3),  
(57, 7),  
(58, 5),  
(59, 2),  
(60, 7),  
(61, 4);
```

QUERY REQUEST

```
-Archerid  
-FirstName  
-LastName  
-Equipment Type  
SELECT  
    Archer.ArcherID,  
    Archer.FirstName,  
    Archer.LastName,  
    Equipment.Name AS EquipmentType  
FROM  
    ArcherEquipment  
JOIN  
    Archer ON ArcherEquipment.ArcherID = Archer.ArcherID  
JOIN  
    Equipment ON ArcherEquipment.EquipmentID = Equipment.EquipmentID;
```

```
TEST ROUND INFO  
SELECT  
    Round.RoundName,  
    Round.AgeGroup,  
    Round.Gender,  
    Equipment.Name AS EquipmentType,  
    Round.Competition  
FROM  
    Round
```

JOIN

Equipment ON Round.Equipment = Equipment.EquipmentID;

*****FOR EVEERY TABLE THAT USES EQUIPTMENT RUN THIS LINE*****

ALTER TABLE `Round` MODIFY COLUMN Equipment TINYINT NOT NULL;

*****this will fix the only show 1 letter error*****

POSSIBLE ROUNDS

"The equivalent rounds are as listed for Outdoor Target under Chapter 3, National Championships (Clause 3.1.3) for Barebow, Longbow, Crossbow and all 50+, 60+ & 70+ events; Clause 3.2.4 Under 16 Male & Female, Under 14 Male & Female"

for archery use this site its the same data but easier to understand
<https://archersdiary.com/TargetRounds.aspx>

equiptemnt comes form page 23

INSERT INTO Round (RoundName, AgeGroup, Gender, Equipment, Competition) VALUES

-- RC (1) Recurve

('WA90/1440', 'Open', 'M', 1, 'Male Recurve Open'),
('WA90/1440', 'Under 21', 'M', 1, 'Male Recurve Under 21'),
('WA70/1440', 'Open', 'F', 1, 'Female Recurve Open'),
('WA70/1440', 'Under 21', 'F', 1, 'Female Recurve Under 21'),
('WA70/720', 'Open', 'M', 1, 'Male Recurve Open'),
('WA70/720', 'Open', 'F', 1, 'Female Recurve Open'),
('WA60/720', '60+', 'M', 1, 'Male Recurve 60+'),
('WA60/720', '60+', 'F', 1, 'Female Recurve 60+'),
('WA60/720', 'Open', 'M', 1, 'Male Recurve Open'),
('WA60/720', 'Open', 'F', 1, 'Female Recurve Open'),

```

-- L (2) Longbow
('WA60/1440', 'Open', 'M', 2, 'Male Longbow Open'),
('AA50/1440', '50+', 'M', 2, 'Male Longbow 50+'),
('AA50/1440', '50+', 'F', 2, 'Female Longbow 50+'),
('Long Sydney', 'Open', 'M', 2, 'Male Longbow Open'),
('Sydney', 'Open', 'F', 2, 'Female Longbow Open'),
('Long Brisbane', 'Open', 'M', 2, 'Male Longbow Open'),
('Adelaide', 'Open', 'F', 2, 'Female Longbow Open'),
('Short Adelaide', 'Under 18', 'F', 2, 'Female Longbow Open Under 18'),

-- B (3) Barebow Recurve
('WA70/1440', 'Open', 'M', 3, 'Male Barebow Recurve Open'),
('WA70/1440', '50+', 'F', 3, 'Female Barebow Recurve 50+'),
('WA60/1440', '50+', 'M', 3, 'Male Barebow Recurve 50+'),
('WABB50/720', 'Open', 'M', 3, 'Male Barebow Recurve Open'),
('WABB50/720', 'Open', 'F', 3, 'Female Barebow Recurve Open'),

-- RCB (4) Recurve Compound Barebow combined
('WA60/1440', '60+', 'F', 4, 'Female Recurve Compound Barebow 60+'),
('WA60/1440', '60+', 'M', 4, 'Male Recurve Compound Barebow 60+'),
('Hobart', 'Open', 'F', 4, 'Female Recurve Compound Barebow Open'),
('Hobart', 'Open', 'M', 4, 'Male Recurve Compound Barebow Open'),

-- C (5) Compound
('WA50/720', 'Open', 'M', 5, 'Male Compound Open'),
('WA50/720', 'Open', 'F', 5, 'Female Compound Open'),
('AA50/720', '50+', 'M', 5, 'Male Compound 50+'),
('AA50/720', '50+', 'F', 5, 'Female Compound 50+'),

-- BL (6) Barebow Longbow
('WABB50/720', 'Open', 'M', 6, 'Male Barebow Longbow Open'),
('WABB50/720', 'Open', 'F', 6, 'Female Barebow Longbow Open'),
('Junior Canberra', 'Under 16', 'F', 6, 'Female Barebow Longbow Under 16'),
('Short Canberra', 'Under 18', 'M', 6, 'Male Barebow Longbow Under 18'),

-- RCBL (7) Barebow Compound/Recurve combined
('AA40/1440', 'Under 14', 'M', 7, 'Male Barebow Compound/Recurve Under 14'),
('WABB50/720', '50+', 'M', 7, 'Male Barebow Compound/Recurve 50+'),
('WABB50/720', '50+', 'F', 7, 'Female Barebow Compound/Recurve 50+'),
('Hobart', '60+', 'F', 7, 'Female Barebow Compound/Recurve 60+'),
('Hobart', 'Under 14', 'F', 7, 'Female Barebow Compound/Recurve Under 14');

```

RANGE TABLE

```

INSERT INTO `Range`(`RangeID`, `RoundName`, `Distance`, `TargetFace`,
`EndsCount`,`TotalArrows`) VALUES
(1, 'WA90/1440', 90.00, '122', 24, 144),
(2, 'WA90/1440', 70.00, '122', 18, 108),

```

(3, 'WA90/1440', 60.00, '122', 18, 108),
(4, 'WA90/1440', 50.00, '80', 12, 72),
(5, 'WA90/1440', 40.00, '80', 12, 72),
(6, 'WA90/1440', 30.00, '80', 6, 36),

(7, 'WA70/1440', 70.00, '122', 24, 144),
(8, 'WA70/1440', 60.00, '122', 18, 108),
(9, 'WA70/1440', 50.00, '80', 12, 72),
(10, 'WA70/1440', 30.00, '80', 6, 36),

(11, 'WA60/1440', 60.00, '122', 24, 144),
(12, 'WA60/1440', 50.00, '122', 18, 108),
(13, 'WA60/1440', 40.00, '80', 12, 72),
(14, 'WA60/1440', 30.00, '80', 6, 36),

(15, 'AA50/1440', 50.00, '122', 24, 144),
(16, 'AA50/1440', 40.00, '122', 18, 108),
(17, 'AA50/1440', 30.00, '122', 12, 72),
(18, 'AA50/1440', 20.00, '122', 6, 36),

(19, 'AA40/1440', 40.00, '122', 24, 144),
(20, 'AA40/1440', 40.00, '122', 18, 108),
(21, 'AA40/1440', 30.00, '122', 12, 72),
(22, 'AA40/1440', 20.00, '122', 6, 36),

(23, 'WA70/720', 70.00, '122', 12, 72),
(24, 'WA60/720', 60.00, '122', 12, 72),
(25, 'WA50/720', 50.00, '80', 12, 72),
(26, 'WABB50/720', 50.00, '122', 12, 72),
(27, 'AA40/720', 40.00, '122', 12, 72),
(28, 'AA30/720', 30.00, '122', 12, 72),
(29, 'AA20/720', 20.00, '122', 12, 72),

--Sydeny

(30, 'Long Sydney', 50.00, '122', 5, 30),
(31, 'Long Sydney', 60.00, '122', 10, 60),
(32, 'Long Sydney', 70.00, '122', 15, 90),
(33, 'Long Sydney', 80.00, '122', 20, 120),

(34, 'Sydney', 40.00, '80', 5, 30),
(35, 'Sydney', 50.00, '80', 10, 60),
(36, 'Sydney', 60.00, '122', 15, 90),
(37, 'Sydney', 70.00, '122', 20, 120),

--Canberra

(38, 'Short Canberra', 30.00, '122', 5, 30),
(39, 'Short Canberra', 40.00, '122', 10, 60),
(40, 'Short Canberra', 90.00, '122', 15, 90),

```
(41, 'Short Canberra', 50.00, '122', 15, 90),
(42, 'Junior Canberra', 20.00, '122', 5, 30),
(43, 'Junior Canberra', 30.00, '122', 10, 60),
(44, 'Junior Canberra', 40.00, '122', 15, 90),
```

--Hobart

```
(45, 'Hobart', 50.00, '80', 6, 30),
(46, 'Hobart', 70.00, '80', 12, 60),
(47, 'Hobart', 90.00, '122', 18, 90),

(48, 'X Hobart', 50.00, '60', 5, 30),
(49, 'X Hobart', 70.00, '80', 10, 60),
(50, 'X Hobart', 90.00, '80', 15, 90),
```

--Brisbane

```
(51, 'Long Brisbane', 50.00, '80', 5, 30),
(52, 'Long Brisbane', 60.00, '80', 10, 60),
(53, 'Long Brisbane', 70.00, '122', 15, 90),
(54, 'Long Brisbane', 90.00, '122', 20, 120),

(55, 'Brisbane', 40.00, '80', 5, 30),
(56, 'Brisbane', 50.00, '80', 10, 60),
(57, 'Brisbane', 60.00, '122', 15, 90),
(58, 'Brisbane', 70.00, '122', 20, 120),
```

--Adelaide

```
(59, 'Adelaide', 40.00, '80', 5, 30),
(60, 'Adelaide', 50.00, '80', 10, 60),
(61, 'Adelaide', 50.00, '122', 15, 90),
(62, 'Adelaide', 60.00, '122', 20, 120);
```

```
INSERT INTO `Score`(`ArcherID`, `RoundName`, `DateShot`, `Equipment`, `TotalScore`)
VALUES
(1, 'WA90/1440', '2025-05-01', 1, 1350),
(2, 'WA70/720', '2025-05-02', 1, 650),
(3, 'AA40/720', '2025-05-01', 2, 550),
(4, 'Long Sydney', '2025-05-03', 1, 1120),
```



```

(5, 'Adelaide', '2025-05-04', 6, 980),
(6, 'Sydney', '2025-05-02', 4, 1050),
(7, 'WA50/720', '2025-05-03', 1, 700),
(8, 'Brisbane', '2025-05-01', 4, 900),
(9, 'Short Canberra', '2025-05-04', 1, 600),
(10, 'Long Brisbane', '2025-05-02', 6, 1100),
(11, 'WA60/720', '2025-05-03', 6, 620),
(12, 'WA60/720', '2025-05-01', 7, 850);

```

END TABLE VALUES

```

INSERT INTO `End` (`EndID`, `ScoreID`, `RangeID`, `Arrow1`, `Arrow2`, `Arrow3`,
`Arrow4`, `Arrow5`, `Arrow6`)

```

VALUES

```

(1, 1, 1, 9, 10, 9, 8, 10, 9),
(2, 1, 2, 10, 10, 9, 9, 10, 10),
(3, 1, 3, 9, 8, 9, 10, 10, 9),
(4, 1, 4, 10, 9, 10, 9, 10, 10),
(5, 1, 5, 9, 9, 8, 10, 9, 9),
(6, 1, 6, 10, 10, 9, 10, 10, 9),

(7, 2, 7, 8, 9, 8, 9, 8, 9),
(8, 2, 8, 9, 9, 10, 8, 9, 9),
(9, 2, 9, 10, 10, 9, 9, 8, 10),
(10, 2, 10, 9, 9, 9, 10, 9, 9),

(11, 3, 20, 8, 9, 8, 9, 7, 9),
(12, 3, 21, 8, 7, 9, 8, 8, 7),
(13, 3, 22, 9, 9, 10, 8, 9, 9),

(14, 4, 23, 10, 10, 9, 10, 9, 10),
(15, 4, 24, 9, 9, 10, 9, 10, 10),
(16, 4, 25, 10, 9, 10, 9, 10, 10),
(17, 4, 26, 10, 10, 10, 9, 10, 9),

(18, 5, 55, 9, 8, 9, 10, 9, 8),
(19, 5, 56, 9, 9, 8, 9, 9, 10),
(20, 5, 57, 10, 9, 10, 9, 8, 9),
(21, 5, 58, 10, 10, 9, 9, 9, 10),

(22, 6, 51, 9, 10, 10, 9, 9, 10),
(23, 6, 52, 9, 9, 9, 10, 9, 9),
(24, 6, 53, 10, 9, 9, 10, 10, 9),
(25, 6, 54, 10, 9, 10, 10, 9, 10),

(26, 7, 38, 9, 8, 9, 9, 9, 8),
(27, 7, 38, 9, 9, 9, 10, 8, 9),

```

```

(28, 7, 38, 10, 9, 10, 9, 10, 9),
(29, 7, 38, 9, 9, 9, 8, 9, 9),

(30, 8, 47, 9, 8, 9, 8, 10, 9),
(31, 8, 48, 9, 9, 10, 9, 9, 8),
(32, 8, 49, 9, 9, 9, 10, 9, 10),
(33, 8, 50, 10, 10, 9, 9, 9, 10),

(34, 9, 30, 8, 9, 9, 8, 8, 9),
(35, 9, 31, 8, 8, 8, 9, 9, 8),
(36, 9, 32, 9, 9, 8, 9, 9, 8),

(37, 10, 43, 10, 10, 9, 9, 10, 10),
(38, 10, 44, 9, 9, 10, 9, 10, 9),
(39, 10, 45, 10, 9, 9, 10, 9, 10),
(40, 10, 46, 10, 10, 10, 10, 9, 10),

(41, 11, 13, 8, 9, 8, 8, 9, 8),
(42, 11, 13, 9, 8, 9, 9, 8, 9),
(43, 11, 13, 9, 8, 8, 8, 9, 8),
(44, 11, 13, 8, 9, 9, 8, 8, 9),

(45, 12, 13, 9, 9, 8, 8, 9, 9),
(46, 12, 13, 9, 8, 9, 9, 9, 8),
(47, 12, 13, 8, 9, 9, 9, 8, 9),
(48, 12, 13, 9, 8, 8, 9, 9, 8);

```

*****NEW TABLE*****

This will allow multiple compettititons and equipment

```

CREATE TABLE ArcherMutipleCompetition
(
ArcherCompetitionID INT AUTO_INCREMENT PRIMARY KEY,
ArcherID INT NOT NULL,
RoundName VARCHAR(255) NOT NULL,
Equipment TINYINT NOT NULL,
DateShot DATETIME NOT NULL,
FOREIGN KEY (ArcherID)
REFERENCES Archer (ArcherID)
ON DELETE CASCADE,

```

```
FOREIGN KEY (RoundName)
  REFERENCES Round (RoundName)
  ON DELETE CASCADE,
);
```

TESTS

```
ARCHER
SELECT
  Archer.ArcherID,
  Archer.FirstName,
  Archer.LastName,
  YEAR(CURDATE()) - Archer.BirthYear AS Age,
  Archer.Gender,
  Equipment.Name AS EquipmentType
FROM
  Archer
JOIN
```

```
    ArcherEquipment ON Archer.ArcherID = ArcherEquipment.ArcherID
JOIN
    Equipment ON ArcherEquipment.EquipmentID = Equipment.EquipmentID;
```

Will also generate age of each archer

```
ROUND
SELECT
    Round.RoundName,
    Round.AgeGroup,
    Round.Gender,
    Equipment.Name AS EquipmentType,
    Round.Competition
FROM
    Round
JOIN
    Equipment ON Round.Equipment = Equipment.EquipmentID;
```

SCORE TEST

```
SELECT
    Score.ScoreID,
    Score.ArcherID,
    Score.RoundName,
    Score.DateShot,
    Score.Equipment,
    Score.TotalScore
FROM
    Score
JOIN
    Archer ON Score.ArcherID = Archer.ArcherID
JOIN
    Equipment ON Score.Equipment = Equipment.Name;
```

RANGE TEST

```
SELECT
    `Range`.RangeID,
    `Range`.RoundName,
    `Range`.Distance,
    `Range`.TargetFace,
    `Range`.EndsCount
FROM
    `Range`
JOIN
    Round ON `Range`.RoundName = Round.RoundName;
```

END TEST

```
SELECT End.ScoreID,
End.RangeID,
End.EndNumber,
End.Arrow1,
End.Arrow2,
End.Arrow3,
End.Arrow4,
End.Arrow5,
End.Arrow6,
Score.TotalScore,
`Range`.RoundName FROM End JOIN Score ON End.ScoreID = Score.ScoreID JOIN `Range`
ON End.RangeID = `Range`.RangeID;
```