Have a Ball, Baby!

CIS 115 Final Project
NAME: NCAA March Madness
DUE DATE: May 5, 2009 Start of Class
TYPE: ncaadata.txt - Comma-Delimited Data File

SIZE: 1706 Total Games, 5 Variables per record (3 Numeric, 2 Text)

DESCRIPTIVE ABSTRACT:

This data set contains every NCAA Basketball Tournament game ever played from 1939-1995. The tournament has been held every year since 1939. I may provide a complete data set on the due date for your program to utilize for grading purposes.

VARIABLE	DESCRIPTIONS:
Year	Field 1
Winning School	Field 2
Winning Score	Field 3
Losing School	Field 4
Losing Score	Field 5

Numeric Variables: Year, Winning Score, Losing Score
String Variables: Winning School, Losing School

SPECIAL NOTES:

The last game listed for each year is the championship game.

Project Details:

You have been asked by your employer, the NCAA, to write a program that will perform several tasks. You will be creating a menu-structure which will require a valid entry for each choice outlined below. The ten (10) choices for the end-user to make are:

- Total number of games where losing team scored more than 100 pts (list game information – teams and scores)
- Total number of games where a team scored more than 100 pts
- Total number of games won and lost by Kentucky (games won – games lost)
- Lowest total points scored by both teams in a single NCAA Tournament game (include game information)
- Highest number of points scored by a single team in a game (include game information)
- Largest margin of victory (include game information)
- Average score of winning team and average score of losing team (Display as "avg winner score – avg loser score")
- Average points scored per game from 1975-85 versus 1985-95
- What decade had the most total NCAA Tournament games (give all decades and the number of games played in each)
- List these teams: UCLA, North Carolina, Kentucky, and Kansas and with each team give the total number of appearances in NCAA Tournaments (wins and losses) and championships won.

If you do all this correctly, "You have done a good job, baby!" – Dick Vitale