

# Multiset and Multimap Exercises

# Multiset and Multimap

- What is the main difference between
  - set and multiset
  - map and multimap?
- Give one feature of map which is not supported by multimap

# Multiset Example

- Write a program that creates a multiset and populates it with the values 6, 7, 4, 6, 6
- What output what you expect to see when the elements of the set are printed?
- Run your program and observe the output

# Multimap Example

- Write a program that creates a multimap, populates it with the following values and displays the elements of the multimap
  - {"Graham", 78}
  - {"Grace", 66}
  - {"Graham", 66}
  - {"Graham", 72}
  - {"Hareesh", 77}

# insert() and erase()

- Add the following code to your program  
`scores.erase("Graham");`
- What output what you expect to see when the elements of the multimap are printed?
- Run your program and observe the output

# Finding Elements

- Using the same multimap as in the previous example, write a program which
  - Displays all the elements with key "Graham"
  - Finds an element with key "Graham" and value 66, and prints out the element's data