**Filling the Array-Based Bag:**

**Display initially empty bag**

**The bag contains 0 items:**

**Add 20 random items to the bag:**

**Display filled bag**

**The bag contains 20 items:**

**diamonds ruby silver gold diamonds silver silver ruby ruby silver ruby gold diamonds ruby diamonds ruby ruby ruby diamonds ruby**

**Frequency of ruby= 9**

**Frequency of gold= 2**

**Frequency of silver= 4**

**Frequency of diamonds= 5**

**Max frequency of ruby= 9**

**Min frequency of gold= 2**

**All done!**

**Program ended with exit code: 0**