

Q1-13 (should be clear from graded exam paper)

```

Q14 IntSet IntSet::symmDiff(const IntSet& otherIntSet) const
{
    IntSet answer(used + otherIntSet.used); // has capacity good for worst case
    int i, j;
    for (i = 0; i < used; ++i)
    {
        for (j = 0; j < otherIntSet.used; ++j)
            if (otherIntSet.data[j] == data[i]) break;
        if (j == otherIntSet.used) answer.data[answer.used++] = data[i];
    }
    for (i = 0; i < otherIntSet.used; ++i)
    {
        for (j = 0; j < used; ++j)
            if (data[j] == otherIntSet.data[i]) break;
        if (j == used) answer.data[answer.used++] = otherIntSet.data[i];
    }
    return answer;
}

```

Insert `IntSet symmDiff(const IntSet& otherIntSet) const;` into the public section of `IntSet`'s class declaration, most logically as a new member of the block comprising of accessors.

```

Q15 IntSet mySymmDiff(const IntSet& is1, const IntSet& is2)
{ // it's possible to replace following 2 statements with just 1 statement
  IntSet union12 = is1.unionWith(is2), intersect12 = is1.intersect(is2);
  return union12.subtract(intersect12);
}

```

