1. Write a program to calculate the sum of all the prime numbers between the range of 1 and 100.
2. Write a program to print first 25 odd members of the *Lucas* series:

```
2
1
3
4
7
11
18
29
47
```

3. You are given with two sorted array of integers L1 and L2. Write a program to compute the union of the 2 arrays (L1 U L2).
4. Write a program to determine the colour of a chess square.
5. Write a program to determine if a string has all unique characters i.e. no character of the string is repeated.