

```
public class Q6
{ // solution to Q6
    public static boolean relprime(int a, int b)
    { // assume a <= b
        int i;
        for(i=1;i<=b;i++)
        {
            if((a % i ==0) && (b % i == 0))
            {
                if(i > 1){return false;}
            }
        }
        return true;
    }
    public static int euler(int i)
    {
        int answer = 0;
        for(int j=1;j<=i;j++)
        {
            if(relprime(j,i)){answer++;}
        }
        return answer;
    }
}

public static void main(String a[])
{ int i;
  for (i =1; i <= 10; i++ )
  {
      int answer = euler(i);
      System.out.println(i + " " + answer);
  }
}
```