**ValidNumber**

import java.util.Scanner;  
  
public class ValidNumber {  
 public static void main(String[] args) {  
  
 int x = 0;  
  
 Scanner input = new Scanner(System.*in*);  
 do {  
 System.*out*.println("Enter a number between 1 and 10");  
 x = input.nextInt();  
 if (x >= 1 && x <= 10) {  
 System.*out*.println(x);  
 break;  
  
  
 } else {  
 System.*out*.println("You must enter a number between 1 and 10, please try again.");  
  
 x = input.nextInt();  
 }  
  
 } while (x < 1 || x > 10);  
  
 }  
}