public static void main(String[] args) {  
 //#1  
 int x = 7;  
 if(x < 10) {  
 System.*out*.println("Less than 10");  
 }  
 x = 15;  
 if(x < 10) {  
 System.*out*.println("Less than 10");  
 }  
  
 //#2  
 x = 7;  
 if(x < 10) {  
 System.*out*.println("Less than 10");  
 }  
 else {  
 System.*out*.println("Greater than 10");  
 }  
 x = 15;  
 if(x < 10) {  
 System.*out*.println("Less than 10");  
 }  
 else {  
 System.*out*.println("Greater than 10");  
 }  
  
 //#3  
 if(x < 10) {  
 System.*out*.println("Less than 10");  
 }  
 else if(x >= 10 && x < 20){  
 System.*out*.println("Between 10 and 20");  
 }  
 else {  
 System.*out*.println("Greater than 20");  
 }  
 x = 50;  
 if(x < 10) {  
 System.*out*.println("Less than 10");  
 }  
 else if(x >= 10 && x < 20){  
 System.*out*.println("Between 10 and 20");  
 }  
 else {  
 System.*out*.println("Greater than 20");  
 }  
  
 //#4  
 x = 15;  
 if(x <= 10 || x >= 20) {  
 System.*out*.println("In range");  
 }  
 else{  
 System.*out*.println("Out of range");  
 }  
 x = 5;  
 if(x <= 10 || x >= 20) {  
 System.*out*.println("In range");  
 }  
 else{  
 System.*out*.println("Out of range");  
 }  
  
 //#5  
 System.*out*.println("Enter number:");  
 Scanner sc = new Scanner(System.*in*);  
 int number = sc.nextInt();  
 if (number >= 90 && number <= 100) {  
 System.*out*.println("A");  
 }  
 else if (number >= 80 && number <= 89) {  
 System.*out*.println("B");  
 }  
 else if (number >= 70 && number <= 79) {  
 System.*out*.println("C");  
 }  
 else if (number >= 60 && number <= 69) {  
 System.*out*.println("D");  
 }  
 else if (number < 60) {  
 System.*out*.println("F");  
 }  
 else {  
 System.*out*.println("Out of Range");  
 }  
  
 //#6  
 System.*out*.println("Enter number:");  
 sc = new Scanner(System.*in*);  
 number = sc.nextInt();  
 switch(number) {  
 case (1):  
 System.*out*.println("Sunday");  
 break;  
 case (2):  
 System.*out*.println("Monday");  
 break;  
 case (3):  
 System.*out*.println("Tuesday");  
 break;  
 case (4):  
 System.*out*.println("Wednesday");  
 break;  
 case (5):  
 System.*out*.println("Thursday");  
 break;  
 case (6):  
 System.*out*.println("Friday");  
 break;  
 case (7):  
 System.*out*.println("Saturday");  
 break;  
 default:  
 System.*out*.println("Out of range");  
 }  
 }  
}